National College of Naturopathic Medicine Catalog 1994-1995

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September 1994

ACKNOWLEDGMENTS

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National College of Naturopathic Medicine Catalog

1994-1995

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A MESSAGE FROM THE PRESIDENT

For nearly forty years, the National College of Naturopathic Medicine has been at the forefront of primary care and preventative medicine. As the oldest accredited naturopathic medical school, NCNM has a long and distinguished history of serving the public by educating and training the finest naturopathic physicians. The vision of Dr. John Bastyr and the other founders of our College lives through the hundreds of NCNM graduates who have dedicated their lives in the service of others.

I invite you to live the vision of natural, preventative and primary health care.

I invite you to become part of the legacy, the tradition, the excellence that are naturopathic medicine.

I invite you to become part of our learning community.

Sincerely,
Timothy J. Duszynski, D.A.
President

A MESSAGE FROM THE PRESIDENT EMERITUS

What an exciting time to be a part of National College of Naturopathic Medicine!

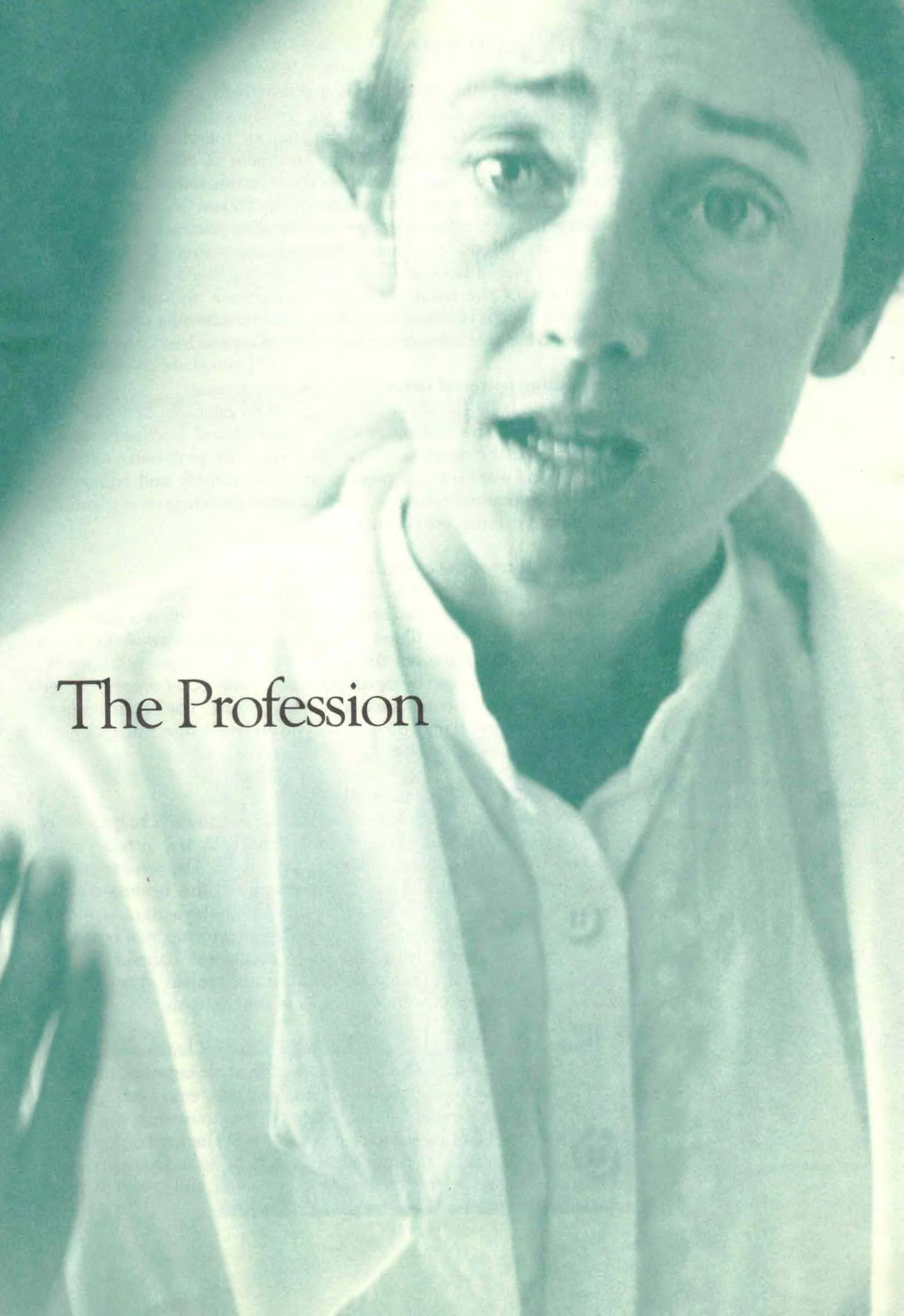
It's been said that no army on earth is as powerful as an idea whose time has come. Naturopathic medicine is such an idea, and now is the time. We've succeeded in keeping the spark of naturopathic medicine alive and now we are taking our rightful place in today's health care.

National College is in a period of rapid change and growth, enabling us to satisfy the ever-increasing demand for physicians trained in preventative medicine and natural therapeutics.

It takes a special kind of person to meet the challenges of naturopathic education and practice - one who is dedicated to the service of others through healing and health education, remembering always that he or she is merely a channel for the healing power of nature. That is the kind of student we hope will find a place at National College.

The work is really just beginning. I sincerely hope that everyone who reads this catalog will find both information and inspiration. Please consider ways in which you can contribute to the natural health care movement. It means better health for all!

Yours in health,
John D. Bastyr, N.D.



The Profession

PHILOSOPHY

Naturopathic medicine is a distinctively natural approach to health and healing that recognizes the integration of the whole person. Naturopathic medicine is heir to the vitalistic tradition of medicine in the Western world, emphasizing the treatment of disease through the stimulation, enhancement, and support of the inherent healing capacity of the person. Methods of treatment are chosen to work with the patient's life force, respecting the natural healing process.

The practice of naturopathic medicine emerges from six underlying principles of healing. These principles are based on the objective observation of the nature of health and disease and are continually examined in light of scientific analysis. It is the following principles that distinguish the profession from other medical approaches:

The healing power of nature. *vis medicatrix naturae*

The body has the inherent ability to establish, maintain, and restore health. The healing process is ordered and intelligent; nature heals through the response of the life force. The physician's role is to facilitate and augment this process, to act to identify and remove obstacles to health and recovery, and to support the creation of a healthy internal and external environment.

Identify and treat the cause. *tolle causam*

Illness does not occur without cause. Underlying causes of disease must be discovered and removed or treated before a person can recover completely from illness. Symptoms are expressions of the body's attempt to heal, but are not the cause of disease. Symptoms, therefore, should not be suppressed by treatment. Causes may occur on many levels including physical, mental-emotional, and spiritual. The physician must evaluate fundamental underlying causes on all levels, directing treatment at root causes rather than at symptomatic expression.

First do no harm. *primum no nocere*

Illness is a purposeful process of the organism. The process of healing includes the generation of symptoms which are, in fact, an expression of the life force attempting to heal itself. Therapeutic actions should be complementary to and synergistic with this healing process. The physician's actions can support or antagonize the actions of the vis medicatrix naturae. Therefore, methods designed to suppress symptoms without removing underlying causes are considered harmful and are avoided or minimized. Therapeutic actions are applied in an ordered fashion congruent with the internal order of the organism.

Treat the whole person. *The multifactorial nature of health and disease*

Health and disease are conditions of the whole organism, involving a complex interaction of physical, spiritual, mental, emotional, genetic, environmental, and social factors. The physician must treat the whole person by taking all of these factors into account. The harmonious functioning of all aspects of the individual is essential to recovery from and prevention of disease and requires a personalized and comprehensive approach to diagnosis and treatment.

The physician as teacher. *docere*

Beyond an accurate diagnosis and appropriate prescription, the physician must work to create a healthy, sensitive interpersonal relationship with the patient. A cooperative doctor-patient relationship has inherent therapeutic value. The physician's major role is to educate and encourage the patient to take responsibility for health. The physician is a catalyst for healthful change, empowering and motivating the patient to assume responsibility. It is the patient, not the doctor, who ultimately creates or accomplishes healing. The physician must strive to inspire hope as well as understanding. The physician must also make a commitment to her/his personal and spiritual development in order to be a good teacher.

Prevention. *Prevention is the best "cure"*

The ultimate goal of naturopathic medicine is prevention. This is accomplished through education and promotion of life-habits that create good health. The physician assesses risk factors and hereditary susceptibility to disease and makes appropriate interventions to avoid further harm and risk to the patient. The emphasis is on building health rather than on fighting disease. Because it is difficult to be healthy in an unhealthy world, it is the responsibility of both physician and patient to create a healthier environment in which to live.

PRACTICE

Naturopathic physicians (N.D.s) are primary health care practitioners, most of whom are in general, private practice. They are trained to be the doctor first seen by the patient for general health care, for advice on keeping healthy, and for the diagnosis and treatment of acute and chronic conditions. They also serve those whose treatment by conventional means has not met their needs and who seek naturopathic care as an alternative. While N.D.s are trained to be general family practitioners, some N.D.s choose to emphasize particular treatment methods (see below), and others may concentrate on particular medical fields such as pediatrics, gynecology, allergies, arthritis, etc. Even though it has its own therapeutic specialties, naturopathic medicine also incorporates the natural therapies of many different healing traditions. What makes a therapy part of the naturopathic scope of practice is the way it is applied, i.e., on the basis of the six naturopathic principles of healing. The current scope of naturopathic practice includes, but is not limited to:

Clinical Nutrition: That food is the best medicine is a cornerstone of naturopathic practice. Many medical conditions can be treated more effectively with foods and nutritional supplements than they can by other means, with fewer complications and side effects. N.D.s use dietetics, natural hygiene, fasting, and nutritional supplementation in practice.

Physical Medicine: Naturopathic medicine has its own methods of therapeutic manipulation of muscles, bones, and spine. N.D.s also use ultrasound, diathermy, exercise, massage, water, heat and cold, air, and gentle electrical pulses.

Homeopathic Medicine: Homeopathic medicine is based on the principle of "like cures like." Clinical observation indicates that it works on a subtle, yet powerful energetic level, gently acting to strengthen the body's healing and immune response and triggering a healing process.

Botanical Medicine: Many plant substances are powerful medicines. Where single chemically-derived drugs may only address a single problem, botanical medicines are able to address a variety of problems simultaneously. Their organic nature makes botanicals compatible with the body's own chemistry; hence, they can be gently effective with few toxic side effects.

Naturopathic Obstetrics: Naturopathic physicians provide natural childbirth care in an out-of-hospital setting. They offer prenatal and postnatal care using modern diagnostic techniques. The naturopathic approach strengthens healthy body functions so that complications associated with pregnancy may be prevented.

Classical Chinese Medicine: Classical Chinese medicine is a complementary healingphilosophy to naturopathic medicine. Meridian theory offers an important understanding of the unity of the body and mind and adds to the Western understanding of physiology. Acupuncture provides a method of treatment which can unify and harmonize the imbalances present in disease conditions, stimulating the immune system and the healing response.

Psychological Medicine: Mental attitudes and emotional states may influence, or even cause, physical illness. Counseling, nutritional balancing, stress management, hypnotherapy, biofeedback, and other therapies are used to help patients heal psychologically.

Minor Surgery: As general practitioners, N.D.s do in-office minor surgery including repair of superficial wounds, removal of foreign bodies, cysts, and other superficial lesions.

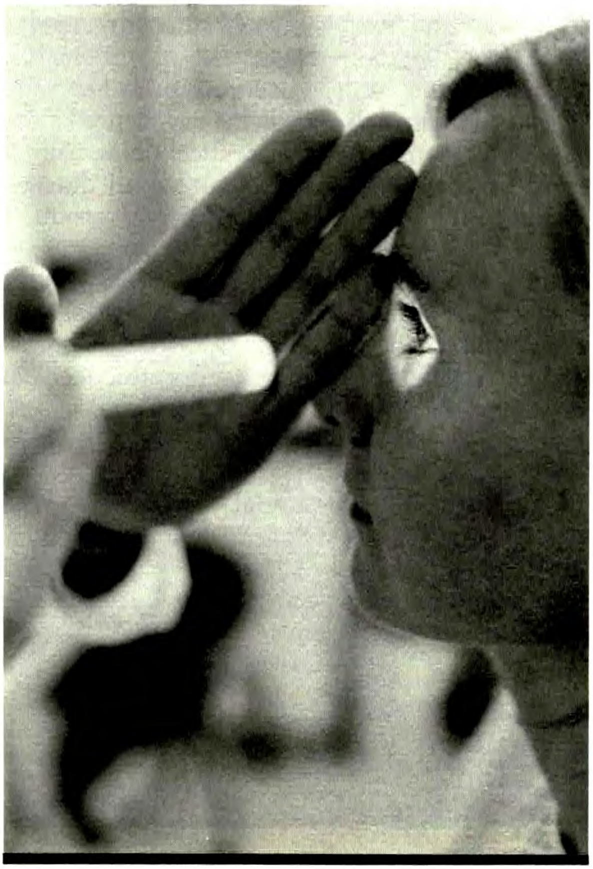
Naturopathic practice also includes the use of any medical substances which contain elements that are components of bodily tissues or can be employed by the body for the maintenance of life and the repair of tissues, and all methods of diagnostic testing and imaging including X-ray, ultrasound, and other imaging techniques. The current scope of practice excludes major surgery and the use of most synthetic drugs.

Scope of practice is specifically defined by the practice acts in the various states and provinces that license or regulate naturopathic medicine, and practice varies among states, provinces, and countries.

LICENSURE

Naturopathic physicians practice in virtually every state and Canadian province as well as in many foreign countries under various legal provisions. Naturopathic physicians may be licensed to practice in the following jurisdictions in the U.S. and Canada: Alaska, Alberta, Arizona, British Columbia, Connecticut, Hawaii, Manitoba, Montana, New Hampshire, Ontario, Oregon, Saskatchewan, and Washington state. In other states and provinces, a varying scope of naturopathic practice may be permitted or protected by court decisions, attorney general opinions, or local custom. Efforts to enact licensing laws are proceeding in several states. The best sources of current information about the legal status of naturopathic medicine in a particular area is the American Association of Naturopathic Physicians (Seattle), state or provincial naturopathic associations, or individual doctors in that area.

All states currently licensing naturopathic physicians require a graduation from a resident course at a college approved by the examining jurisdiction. Completion of the N.D. degree at a recognized institution qualifies candidates to sit for a board licensing examination, but does not ensure licensure. While each jurisdiction has its own examination requirements, an increasing number are adopting a standard national licensing examination (NPLEX) as part or all of the required testing.



Practical "hands-on" instruction is a central focus of the curriculum. Clinical training begins in the third term of the first year.

HISTORY

The roots of naturopathic medicine go back thousands of years, drawing on the healing wisdom of many cultures including Indian (Ayurvedic), Chinese (Taoist), Greek (Hippocratic), Arabian, Egyptian, and European (Monastic medicine) traditions.

By the end of the nineteenth century, conventional medicine relied almost exclusively on reductionism for its epistemological basis. In practice, it concentrated almost exclusively on the attack of disease entities with surgery and drugs. Some practitioners in Europe and America, however, perceiving the value of what was being lost, returned to empirically proven natural therapies. They sought to promote health through education and the rational use of natural agents.

As a distinct American health care profession, naturopathic medicine is almost 100 years old, tracing its origins to Dr. Benedict Lust and Robert Foster. Lust came to the United States from Germany to practice and teach the hydrotherapy techniques popularized by Sebastian Kneipp in Europe. A committee of Kneipp practitioners met in 1900 and determined that the practice should be expanded to incorporate all natural methods of healing, including botanical medicines, nutritional therapy, physiotherapy, psychology, homeopathy, and the manipulative therapies. They called their profession "Naturopathy."

The first school of naturopathy was founded by Dr. Lust in New York City and graduated its first class in 1902. During the same time period, Dr. Foster founded, in Idaho, a similar institution which trained the early naturopathic pioneers responsible for establishing licensing laws in Oregon and Washington. Naturopathic medical conventions in the 1920's attracted more than 10,000 practitioners. There were more than 20 naturopathic medical colleges, and N.D.s were licensed in a majority of states. Naturopathic medicine experienced a decline in the 1940's and 50's with the rise of pharmaceutical drugs, technological medicine, and the idea that drugs could eliminate all disease. National College of Naturopathic Medicine is the only naturopathic college to survive this period of decline.

Founded in 1956, National College of Naturopathic Medicine is the oldest accredited naturopathic medical school in North America. As such, the college has been at the center of the profession, preserving and extending the legacy of naturopathic medicine. The profession has experienced a resurgence in the last two decades, as a health conscious public has sought alternatives to conventional medicine.

The American Association of Naturopathic Physicians (AANP) is the professional organization of licensed naturopathic practitioners. The AANP actively supports the passage of new licensing laws, works to establish insurance equality, and endeavors to maintain and improve standards for naturopathic educational programs and board licensing exams.

The College

MISSION

The mission of National College of Naturopathic Medicine is to educate students to become naturopathic physicians:

- By providing outstanding whole-person health care emphasizing preventive medicine, an appreciation for the quality of life, and the natural recuperative ability of the human body.
- By providing an academic and research environment which fosters personal growth and the development of professional attitudes and skills in students and doctors of naturopathic medicine.
- By promoting awareness about naturopathic medicine to the public and supporting cooperation with other healthcare professions.
- By serving as an international leader in naturopathic education, research, and health care.

National College is alma mater to over 650 naturopathic physicians who practice in nearly every state and province and many foreign countries. Many are nationally recognized spokespersons and teachers as well as successful practitioners.

RECOGNITION

National College is authorized to grant the Doctor of Naturopathic Medicine (N.D.) degree by the State of Oregon through the Office of Educational Policy and Planning. The College is accredited by the Council on Naturopathic Medical Education (CNME), an accrediting agency recognized by the U.S. Department of Education.

In addition, the Council of Education of the Canadian Naturopathic Association recognizes the College, as do all state and provincial boards of naturopathic examiners.

ORGANIZATION AND GOVERNANCE

The College is a non-profit corporation organized under Oregon law. National College is governed by a self-perpetuating Board of Trustees. The members of the Board serve three-year terms and represent the broader community. The Board oversees the organization and exercises management through the president.

The day-to-day operations of the College are performed by the various officers of the College: the staff, faculty, and administration.

FACILITIES

The College is located on a seven-acre campus in southeast Portland, seven miles from the city center. The campus is set in a pleasant neighborhood and is close to several major shopping areas. Easily accessible from other parts of the city by two major freeway systems, the College is on a busline which links up with the city's mass transit light rail system.

Tall Douglas firs line the front drive, and plenty of grass and trees, the greenery for which Oregon is famous, surround the buildings. Students frequently use breaks from class to take walks or, in nice weather, to convene outside in a central courtyard area. Within the courtyard is an medical herb garden, tended by students.

Students tend an on-campus medical herb garden. The botanical medicine courses teach students how to use plants and plant constituents as medicines. Students are also given an introduction to plant identification in the field and wildcrafting.

The main campus houses the teaching clinic, two multi-purpose basic science labs, three lecture classrooms, one manipulation/massage classroom, faculty and administration offices, student lounge, and library. A cadaver dissection lab is housed in a small modular building next to the clinic.

The Library

The National College Library represents one of the more important collections of naturopathic medical books in the world. It is a unique collection that includes classical and modern works of natural medicine as well as timely books and periodicals from the conventional medical sciences. Included in the library's collection of rare old books is the library of Dr. Benedict Lust, the father of American naturopathy, as well as many other bequests of retired naturopathic physicians. In addition to founding the first school of naturopathic medicine, Dr. Lust was the publisher of many naturopathic books and journals, many of which are now a part of National College Library.

The library houses about 7,000 books, 105 journals, 1,800 audio tapes and 2,400 video cassettes, and an extensive vertical file. A personal computer, high-speed cassette copier and tape listening facilities are available for student use. The library maintains a growing collection of tapes of lectures and presentations by well-known guest speakers who visit the College.

The Teaching Clinic

Portland Naturopathic Clinic is the teaching clinic of National College. Twenty examination and treatment rooms serve a wide range of clinical needs. These include hydrotherapy, physical therapy, colonic, x-ray, ultrasound, biofeedback, gynecologic, and minor surgery facilities. The clinic also includes a reception area, eight private offices, and a conference room. In addition, it is home to a state-licensed laboratory and a large natural products dispensary.

Admissions

PREPARING FOR A NATUROPATHIC EDUCATION

National College is committed to attracting high caliber students who have excellent potential as physicians and healers. This means that successful candidates will not only have completed the necessary prerequisite course work, but will demonstrate outstanding moral character, maturity, and commitment to naturopathic medicine. In keeping with naturopathic philosophy, prerequisite course work reflects a balance between science and the humanities. The College recommends that prospective students pursue other special areas of interest as well. This will help develop a broad base of knowledge and experience. Though qualified individuals may gain acceptance with three years of undergraduate credit, a bachelor's degree is strongly recommended. Beginning with the 1996-97 academic year, a bachelor's degree will be required for admission.

PREREQUISITES

General	135	quarter credits or 90 semester credits (approximately three years) of undergraduate study at a college or university accredited by one of the recognized regional accrediting associations or approved by the Oregon Office of Educational Policy and Planning. One third of this work (30 semester credits) must be in upper division credits, i.e., 300 and 400 level courses.
Chemistry and Physics	24	quarter credits or 16 semester credits including at least one semester (or two quarters) of pre-medical organic chemistry, and enough of both general chemistry and physics to total the remainder of the required hours. One course in physics is required. All chemistry courses must have labs. Beginning with the 1996-97 academic year, the chemistry, organic chemistry and physics course work must have been taken within no more than 7 years from the date of admission to the College.
Biology	12	quarter credits or 8 semester credits with lab. Anatomy, microbiology, botany, physiology, and zoology are considered biological sciences.
Social Science	9	quarter credits or 6 semester credits including at least one course in psychology. Political science, economics, sociology, psychology, and anthropology are considered social sciences.
Humanities	9	quarter credits or 6 semester credits. Philosophy, fine arts, history, literature, languages, religious studies, women's studies, and performing arts are considered humanities.
English	9	quarter credits or 6 semester credits of composition and rhetoric, if the applicant does not have a bachelor's degree. (To qualify, course titles must indicate an emphasis on writing or speech. Literature courses do not meet this requirement.)

In addition to these required courses, our students have found that preparatory course work in anatomy and medical terminology is useful. Questions regarding prerequisite courses should be directed to the office of admissions.

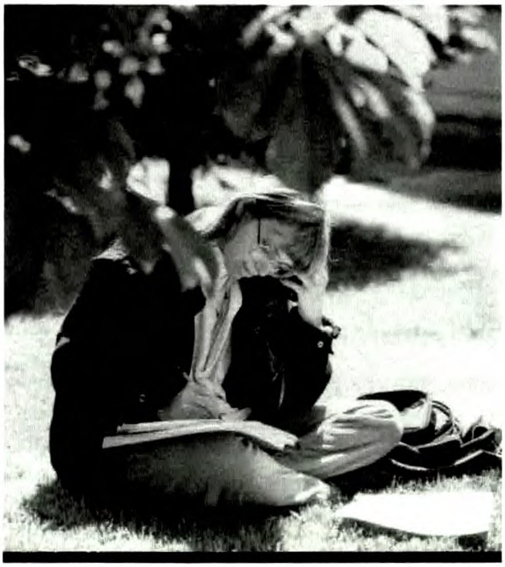
When selecting an undergraduate program to meet the prerequisites, students are advised to choose those courses that are recommended for pre-medical students. Only courses with grades of "C" or better will meet these specific course requirements. College Level Examination Program (CLEP) credits as documented on a transcript by a receiving undergraduate institution are accepted by National College. Interpretation of admission requirements is at the discretion of the instructional affairs officer.

PROSPECTIVE STUDENT DAYS

The College regularly hosts special events for prospective students. During "Naturopathic Medical Student for a Day" prospective students may sit in on classes, tour the college and clinic, meet faculty and students, hear N.D.s discuss current clinic cases, learn about applying for admission and financial aid, and pose questions to panels of N.D.s and students. To register for an upcoming prospective student day, contact the admissions office.

CAMPUS VISITS

No amount of written material can convey the reality of a naturopathic medical education, but a visit to National College campus may. The College strongly recommends that prospective students visit the campus before applying. This does more to answer questions and concerns than any other research effort a prospective student will undertake. Contact the admissions office for an appointment to take a tour of the campus, and/or to observe classes.



It takes a special kind of person to meet the challenges of naturopathic education and practice – one who is dedicated to the service of others through health education.

ALUMNI CONTACTS

National College has a network of more than 650 alumni across the U.S. and Canada and in many other foreign countries. Our alumni are dedicated physicians who treat thousands of patients each year. Many are the "movers and shakers" for the profession. Many are nationally recognized spokespersons for natural medicine. As part of their commitment, they often talk with prospective students about a career in naturopathic medicine. If you would like to visit with one of our alumni in your area, let us know.

There is a special group of alumni who have made a commitment to talk with prospective students. Feel free to contact them with your questions about the realities of naturopathic practice:

Western Canada
Craig Wagstaff, ND
Box 490
11270 Robinson Rd.
Winfield, BC
Canada VOH2CO
604-766-3633

Southwest
Joan Kirk, ND
P.O. Box 1661
Taos, NM 87571
505-758-9704
203-230-2200

Northeast
Jim Sensenig, ND
2558 Whitney Ave.
Hamden, CT
06518

Hawaii
Jason Uchida, ND
181 South Kukui St.
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Honolulu, HI 96813
808-545-2093

South
Gil Alvarado, ND
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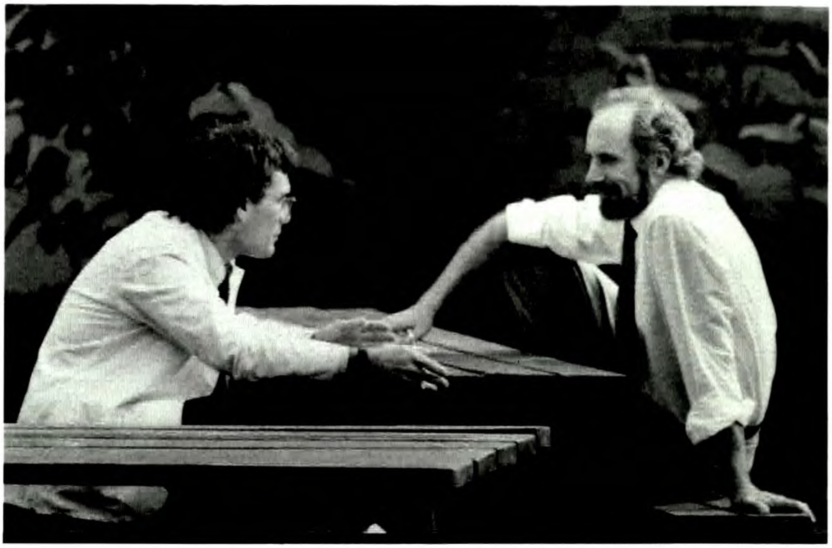
1829 E Franklin
Chapel Hill, NC 27514
919-933-7373



With a faculty-student ratio of 1:4 (full and part-time faculty), the National College learning environment is intimate and dynamic. Some of the most valuable learning often takes place informally, outside of the classroom.

APPLYING

Applications are accepted as early as September for admission the following fall. Applications should be submitted by February 1 for fall admission; late applications will be considered if space is available. First year students are generally admitted only in the Fall of each year. Applicants who anticipate transferring in a substantial amount of credit may apply for entry at any time. Prospective students are encouraged to apply early.

I. THE APPLICATION

Along with a completed application form and $60 fee ($100 for applicants who reside outside the U.S. or who have credits from foreign colleges or universities), applicants must submit:

- two current letters of personal reference based on the forms provided, and sent directly to the admissions office from individuals who have known the applicant for at least one year. One faculty and one health care professional recommendation is preferred.

- official college transcripts from all colleges or universities attended. Transcripts must be sent directly from the colleges to the admissions office. Applicants who have taken courses at foreign institutions must also have their transcripts evaluated by a private agency. Because this varies with Canadian transcripts, applicants with work from Canadian colleges should contact the admissions office for counsel on transcript evaluation.

All applications materials should be directed to the office of admissions (11231 SE Market, Portland, OR, 97216). Applications materials become the property of National College and will not be returned or forwarded to other institutions.

II. THE INTERVIEW

When an admissions file is complete, it is reviewed by the admissions and academic offices. If the application meets the College's basic admissions criteria, the applicant will be invited to interview with members of the admissions committee. The interview is central to the admission process. Because the philosophy of naturopathic medicine is unique and the profession actively evolving, it is important that the admissions committee discuss with the prospective student the profession and the student's potential role in it.

III. THE DECISION

Within 30 days after the interview, the applicant is given written notification of whether her/his application has been accepted, rejected, placed in a pool for decision at a later date, or accepted and placed on a waiting list. Applicants who are accepted and wish to reserve a place in the entering class must send a $400 deposit within a specific time of the admission offer. This deposit will be credited toward the applicant's tuition, and one-half of it is not refundable. If the deposit is not received within the specified time, the place will be available to another applicant.

POST-DOCTORAL PROGRAMS

National College is developing post-doctoral programs in Naturopathic Obstetrics, Homeopathy and Chinese Medicine. These programs will replace the "Certificate Programs" from which they developed. Each program is planned to provide a post-doctoral intensive year in both academic and clinical training. For additional information concerning our post-doctoral programs, contact the admissions office.

TRANSFER CREDIT

Prospective students with academic credit in another first professional or graduate program (i.e., D.C., D.O., M.D.,) may apply for transfer credit by marking the appropriate box on the application form. Once a student is admitted, her/his transcripts will be evaluated by the office of academic affairs for transfer credit. This may allow her/him to complete the ND program without repeating course work successfully completed elsewhere. Determinations of acceptable transfer credit are made by the academic office in conformity with the requirements of the Oregon Office of Educational Policy and Planning as well as the College's transfer credit policies. Applicants for transfer credit must meet entrance prerequisites and complete the standard admissions process. Transfer of credit from National College to other institutions is at the discretion of the receiving institution. Inquiries should be made of the receiving institution to determine the transferability of credits from National College.

FOREIGN APPLICANTS

Applicants who have been educated outside of the United States must submit their transcripts to an independent agency for evaluation. Contact the admissions office for details. Applicants whose native language is not English must demonstrate English competency and may be asked to take a competency exam.

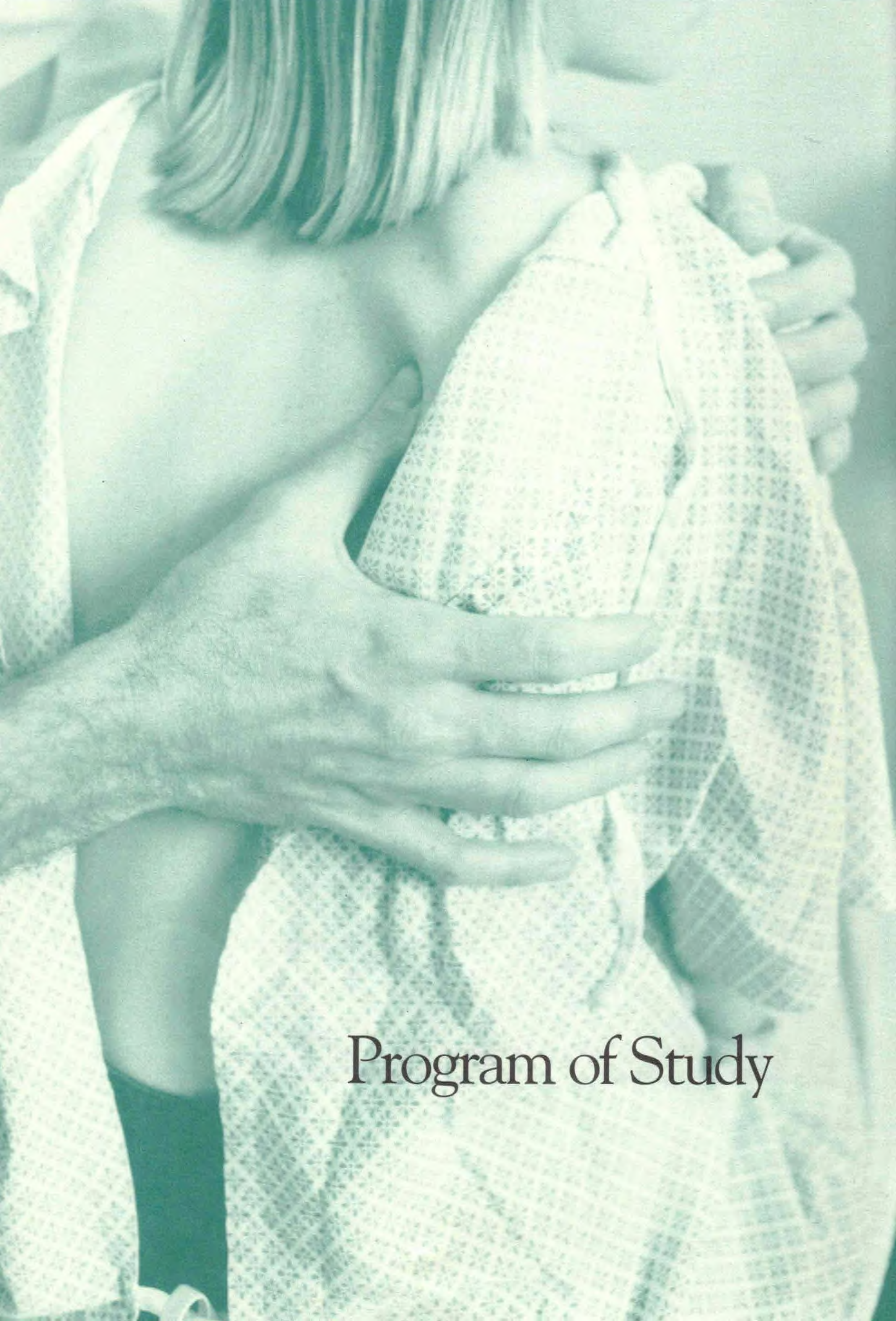
CONDITIONAL ACCEPTANCE

Applicants who have not completed all requirements for admission at the time of application may request to be accepted on condition that outstanding requirements will be fulfilled before enrollment. Acceptance of candidates who will not complete all requirements before enrolling is an exception which is sometimes granted at the discretion of the admissions committee. These exceptions are rare and are made on an individual basis to qualified applicants with a limited number of outstanding prerequisite credits.

REAPPLICATION

Application materials are retained on file for one year. If an applicant wishes to activate her/his file within this one year period, he/she may do so by submitting an application fee ($60) and updated application materials as directed by the admissions committee. This may include supplementary transcripts for course work taken since previous application and additional letters of reference. The prerequisites in effect at the time of application must be satisfied.

Students are strongly urged to visit the college and tour the campus before applying.



Program of Study

The N.D. course of study is an intensive four-year program preparing candidates for state board licensing examinations and the general practice of naturopathic medicine. Upon successful passage of board licensing examination, physicians are licensed as Doctors of Naturopathic Medicine (N.D.).

The core, or required curriculum, provides the foundation and skills necessary for naturopathic family practice.

First year comprises the study of the normal structure and function of the body with a solid introduction to naturopathic theory, philosophy, and therapeutics, and also includes an introduction to clinical work.

Second year focuses on the study of disease and diagnosis with the beginning of the botanical, therapeutic manipulation, clinical nutrition, classical Chinese medicine and homeopathic medicine sequences. The early clinical experience continues with specific clinical duties and observation. In order to enter into the clinical training of the third year, students must gain Degree Candidacy status and pass a clinic entrance examination.

Third year continues with the focus on the botanical, manipulation, clinical nutrition, and homeopathic medicine sequences, begins the organ systems courses, and gives major emphasis to clinical practice.

Fourth year completes the elective sequences and organ systems courses. The major focus of the fourth year is practical clinical training, working side by side with licensed physicians caring for patients.

The elective sequences, made up principally of three-hour specialty courses, are designed to provide the opportunity for deeper study and the foundation for expertise in one of the therapeutic specialties: homeopathic medicine, naturopathic manipulative therapy, classical Chinese medicine, psychological medicine, clinical nutrition, botanical medicine, or naturopathic obstetrics. Electives provide the opportunity to study areas of special interest and also allow students to meet special licensing requirements that exist in some states.

Because the program is rigorous and the course load heavy, students may choose to complete the N.D. in five rather than four years. Students must make a decision on whether they will pursue the four or five-year track before the fourth week of the term. In some cases, students may be required to be in the five year track. The student may take no more than seven years to complete the program.

CURRICULUM

FIRST YEAR

FALL TERM

		Credits*
BAS 410	Anatomy & Lab I	4.5
BAS 412	Physiology & Lab I	4.25
BAS 413	Biochemistry & Lab I	3.5
BAS 414	Histology & Lab	3.5
BAS 417	Basic Science Symposium I	.375
NPH 410	Naturopathic Medical Philosophy	2
PHM 412	Hydrotherapy	2
PHM 416	Palpation Lab I	.5
PSY 410	Psychology & Counseling I	.125
Total		*20.75*

WINTER TERM

BAS 420	Anatomy & Lab II	4.5
BAS 422	Physiology & Lab II	4.25
BAS 423	Biochemistry & Lab II	3.5
BAS 427	Basic Science Symposium II	.375
NPH 420	Intro to Nat. Therapeutics I	2
PHM 420	Bodywork	.5
PHM 422	Hydrotherapy Lab	.5
PHM 426	Palpation Lab II	.5
PSY 420	Skills of Communication	1.375
Total		*17.5*

SPRING TERM

BAS 430	Neuroanatomy & Lab	2.5
BAS 432	Physiology & Lab III	4.25
BAS 433	Microbiology	3.5
BAS 434	Research & Statistics	1
BAS 435	Embryology	1
BAS 437	Basic Science Symposium III	.375
CLS 430	Intro. to Pathology	2
NPH 430	Intro to Nat. Therapeutics II	2
PHM 431	Medical Kinesiology	.5
CLE 430	Clinic	.5
Total		*17.625*
Electives		***4***
Year Total		**59.875**

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* One credit represents 12 classroom or 48 lab or clinic "clock" hours.

SECOND YEAR

FALL TERM

		Credits*
BOT 510	Pharmacognosy	2
CHM510	Classical Chinese Medicine I	3
CLS 510/11	Clinical/Physical Diagnosis & Lab I	5
CLS 512	Pathology I	4
CLS 513	Laboratory Diagnosis I	2.25
CLS 515	Immunology	2
CLS 516	Pharmacology I	3
PHM 511	Physiotherapy I	1.25
PSY 510	Psychological Assessment	2
CLE 510	Clinic	.75
Total		*25.25*

WINTER TERM

BOT 520	Botanical Materia Medica I	2
CHM520	Classical Chinese Medicine II	2
CLS 520/21	Clinical/Physical Diagnosis & Lab II	5
CLS 522	Pathology II	4
CLS 523	Laboratory Diagnosis II	2.25
CLS 525	Public Health	2
CLS 526	Pharmacology II	3
HOM520	Homeopathy I	3
NOS 520	Orthopedics I	1
PHM 520	Nat. Manipulative Therapeutics I	.5
PHM 521	Physiotherapy II	1.25
CLE 520	Clinic	.75
Total		*26.75*

SPRING TERM

BOT 530	Botanical Materia Medica II	2
CHM530	Classical Chinese Medicine III	2
CLS 530/31	Clinical/Physical Diagnosis & Lab III	5
CLS 532	Pathology III	4
CLS 533	Laboratory Diagnosis & Lab III	2.25
HOM530	Homeopathy II	3
NOS 530	Orthopedics II	1
NUT 530	Nutrition I	3
PHM 530	Nat. Manipulative Therapeutics II	.5
CLE 530	Clinic	.75
Total		*23.5*
Year Total		**75.5**

* One credit represents 12 classroom or 48 lab or clinic "clock" hours.

THIRD YEAR

FALL TERM

		Credits*
BOT 610	Botanical Materia Medica III	2
CHM610	Classical Chinese Medicine IV	2
CLS 614	Diagnostic Imaging I	3
HOM610	Homeopathy III	3
NOS 610	Orthopedics III	1
NOS 611	Office Orthopedics I	.5
NOS 613	Gynecology	3
NUT 610	Nutrition II	3
OBS 610	Obstetrics I	3
PHM 610	Nat. Manipulative Therapeutics III	.5
CLE 610	Clinic	3
Total		*24*

WINTER TERM

CHM620	Classical Chinese Medicine V	2
CLS 621	Medical Genetics	1
CLS 624	Diagnostic Imaging II	2
HOM620	Homeopathy IV	3
NOS 620	Orthopedics IV	1
NOS 621	Office Orthopedics II	.5
NOS 622	Cardiology	3
NUT 620	Nutrition III	3
PHM 621	Minor Surgery I	2.25
PHM 620	Nat. Manipulative Therapeutics IV	.5
CLE 620	Clinic	3
Total		*21.25*

SPRING TERM

CLS 630	Emergency Medicine	2
CLS 631	Environmental Medicine	2
CLS 634	Diagnostic Imaging III	2
NOS 630	Cardio-Pulmonary Lab	.5
NOS 632	Pediatrics	3
NUT 630	Nutrition IV	3
PHM 630	Nat. Manipulative Therapeutics V	.5
PHM 631	Minor Surgery II	1.5
PSY 630	The Dr. Patient Relationship	1.25
CLE 630	Clinic	3
Total		*18.75*
Electives		**6**
Year Total		**70**

* One credit represents 12 classroom or 48 lab or clinic "clock" hours.

FOURTH YEAR

		Credits*
CLE 701	Summer clinic	4
FALL TERM		
NOS 710	Eye, Ear, Nose, and Throat	2
NOS 711	Dermatology	2
NOS 712	Endocrinology	2
NOS 714	Geriatrics	2
NOS 715	Gynecology Lab	.5
PHM 710	Preventive/Therapeutic Exercise	.5
PSY 710	Stress Management	.25
CLE 710	Clinic	12
Total		*21.25*
WINTER TERM		
NOS 720	Neurology	2
NOS 721	Urology	1
NOS 723	Proctology	1
NOS 725	Oncology	2
NPH 720	Business/Practice Seminar I	2
PSY 720	Counseling Techniques	1.5
CLE 720	Clinic	12
Total		*21.5*
SPRING TERM		
NOS 732	Gastroenterology	2
NPH 731	Jurisprudence/Medical Ethics	2
NPH 733	Business/Practice Seminar II	2
CLE 730	Clinic	12
Total		*18*
Electives		**7**
Year Total		**71.75**

* One credit represents 12 classroom, 24 clinic or 48 lab “clock” hours.

TOTALS FOR DEGREE PROGRAM

Classroom/Lab Instruction	**225.375**
Clinic Instruction	**51.75**
Total	**277.125**

ELECTIVE COURSES

The College offers several elective courses each term. The homeopathic medicine certificate program includes four sequential electives which supplement the required courses in homeopathic medicine. Similarly, the naturopathic obstetrical program includes six sequential elective courses. Additional electives are offered in physical medicine, psychology and counseling, and botanical medicine. The College occasionally offers electives in new and experimental diagnostic or therapeutic disciplines. These classes allow the college to develop new course work and create a research base in new or developing areas of naturopathic medicine.

		Credits*
BOT 440E	Northwest Herbs (Fall)	2
BOT 441E	Northwest Herbs (Spring)	2
BOT 630E	Botanical Materia Medica IV (Chinese)	4
HOM630E	Homeopathy V	3
HOM710E	Homeopathy VI	3
HOM720E	Homeopathy VII	3
HOM730E	Homeopathy VIII	3
NOS 540E	Chronic Viral Disease	2
OBS 620E	Obstetrics II	3
OBS 630E	Obstetrics III	3
OBS 710E	Obstetrics IV	3
OBS 720E	Obstetrics V	3
OBS 730E	Obstetrics VI	2
OBS 740E	Obstetrics VII	1
PHM 740E	Advanced Minor Surgery	2

(Total minimum required: 17 hours)

* One credit represents twelve classroom or forty-eight lab "clock" hours.

Students are encouraged to develop expertise in specific areas through electives. This is one way for students to tailor the curriculum to their particular areas of interest.

Academic Departments and Course Descriptions

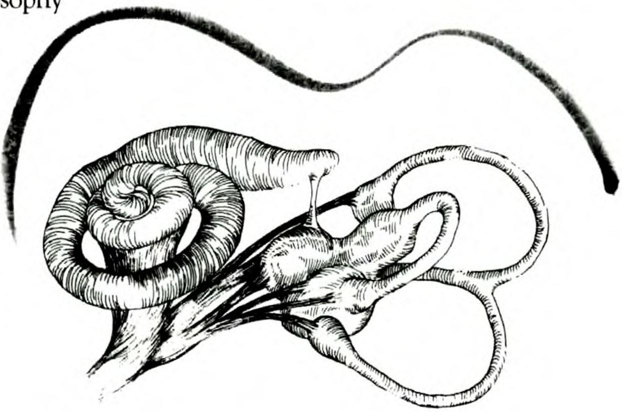
DEPARTMENT OF NATUROPATHIC PHILOSOPHY AND PRACTICE

These courses provide the historical, philosophical, legal, and practical basis of naturopathic practice. The philosophy courses are introductions to the theoretical basis of naturopathic medicine. Although all courses at National College are based on the philosophy, these courses offer an in-depth understanding of the foundation upon which naturopathic medicine is built.

NPH 410 - Naturopathic Medical Philosophy. This is a lecture and discussion course integrating the philosophical basis of naturopathic medicine and the role of the naturopathic physician in today's world. It examines the development of naturopathic philosophy and discusses the principles of natural healing.
Prerequisites: none
(2 credit hours lecture/discussion, 1 term)

NPH 420 - Introduction to Naturopathic Therapeutics I. This course describes the various naturopathic therapeutics systems and examines how they develop from naturopathic philosophy. Also discussed is the relationship of one system to another and the sequence of use in clinical practice.
Prerequisites: NPH 410
(2 credits hours lecture, 1 term)

INNER EAR: COCHLEA AND VESTIBULAR APPARATUS



NPH 430 - Introduction to Naturopathic Therapeutics II. This is a practical introduction to the use of naturopathic therapeutics in common and simple ailments and first-aid situations. A "naturopathic first-aid kit" is made by the student to complement the course information.
Prerequisites: NPH 410, 420
(2 credit hours lecture, 1 term)

NPH 720/30 - Business/Practice Seminar I, II. These courses are based upon the development of a business plan and emphasize the knowledge and skills necessary to formulate one. Also discussed are financial management, organizing an office, hiring personnel, etc.
Prerequisites: fourth year status
(2 credit hours lecture/discussion, 2 terms)

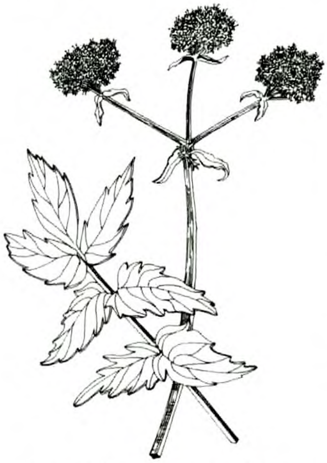
The inner ear is the organ of balance and equilibrium. In many ways, the physician is to the healing process what the inner ear is to the body. Disease involves a shift in the homeostatic balance. We train physicians to identify imbalances, remove the agents blocking healing, and stimulate the healing process. When balance is restored, good health follows.

NPH 731 - Medical Jurisprudence/Ethics. This course covers the basics of law as it applies to medical practice (e.g., informed consent, confidentiality, Good Samaritan Law, malpractice, etc.). Oregon and Washington licensing laws are covered in-depth along with the basics of naturopathic licensing laws in various jurisdictions.
Prerequisites: fourth year status
(2 credit hours lecture, 1 term)

DEPARTMENT OF BASIC SCIENCES

The basic science courses involve an in-depth study of the structure and function of the human body from the gross anatomical to the microscopic and molecular levels.

VALERIAN
Valeriana Officinalis



Botanical medicines are able to address a variety of health problems simultaneously where single chemically-derived drugs may only address a single problem in isolation. For instance, valerian contains a constituent that is used to make sedative drugs. When used in isolation, these drugs are addictive and serve only to sedate the patient. Administering the whole plant of valerian serves to restore function and provide nutritive support while – at the same time – acting as a natural sedative. The botanical medicine is non-addictive and gently effective with few side effects.

BAS 410/20/30 - Basic Medical Anatomy, Gross Anatomy Laboratory, Neuroanatomy and lab. The fall and winter terms of the lecture sequence cover human gross anatomy – the structure of the human body and its relationships, naming its parts. The spring term covers basic neuroscience and neuroanatomy with a laboratory addressing the structure and function of the central and peripheral nervous systems. In the two-term laboratory course students participate in human cadaver dissection as an aid to learning and remembering the interrelationships of the parts of the human body.
Prerequisites: general biology, BAS 410 for BAS 420, BAS 420 for BAS 430
(4 credit hours lecture, .5 credit hours lab, Fall, Winter; 2 credit hours lecture, .5 credit hours lab, Spring)

BAS 412/22/32 - Medical Physiology I, II, III. This year-long sequence covers physiological principles which form the basis for understanding the body's self-recuperative (homeostatic) processes. Approximately three-fourths of the lab time is spent in small group discussion sessions where students have the opportunity to read and discuss physiological principles as they apply to a naturopathic practitioner.
Prerequisites: general biology, physics, BAS 412 for BAS 422, BAS 422 for BAS 432
(4 credit hours lecture, .25 credit hours lab, 3 terms)

BAS 413/23 - Medical Biochemistry I, II. This two-term sequence covers the energy metabolism, the vitamins and minerals as a foundation for the nutrition curriculum, and the hormonal regulation of metabolic pathways in an effort to understand biochemistry from a more holistic perspective.
Prerequisites: general chemistry, BAS 413 for BAS 423
(3 credit hours lecture, .5 credit hours lab, 2 terms)

BAS 414 - Basic Medical Histology. Microscopic anatomy of all major body tissues, including an introduction to histopathology, is covered in this lab and lecture course.
Prerequisites: general biology
(3 credit hours lecture, .5 credit hours lab, 1 term)

BAS 417/27/37 - Basic Science Symposium I, II, III. This year-long sequence explores how the basic sciences of anatomy, physiology, and biochemistry are used to understand actual clinical cases. The format is a combination of case presentations and small group discussion.
Prerequisites: concurrent enrollment in BAS 412/22/32
(.375 credit hours lecture/discussion, 3 terms)

BAS 435 - Embryology. This course covers the development of the major anatomical structures and systems of the human body.
Prerequisites: general biology, BAS 410/20
(1 credit hour lecture, 1 term)

BAS 433 - Microbiology. This course gives an overview of infectious diseases, microbial structure and function, and the normal flora and common pathogens of the various body regions. Students are taught how to obtain a reliable specimen for the laboratory as well as laboratory procedures involved in identification and sensitivity testing.
Prerequisites: general biology, general chemistry
(3 credit hours lecture, .5 credit hours lab, 1 term)

BAS 434 - Research & Statistics. Upon completion of this course students will be able to read medical research material, critically assess clinical studies, and develop research protocols.
Prerequisites: none.
(1 credit hour lecture, 1 term)

DEPARTMENT OF CLINICAL NUTRITION

The nutrition courses are designed to give the physician a comprehensive knowledge of clinical nutrition.

NUT 530 - Nutrition I. This course provides the foundation for a working knowledge of the actions, doses, therapeutic uses, toxicities, and deficiencies of each of the vitamins, minerals, and major foodstuffs (carbohydrates, fats, proteins).
Prerequisites: BAS 412/22/32, 413/23
(3 credit hours lecture, 1 term)

NUT 610/20 - Nutrition II, III. These courses integrate the content of Nutrition I and its application in a clinical setting. Students are taught to evaluate and treat individual diseases and syndromes through dietary manipulation, vitamin, and mineral supplementation, with discussion of amino acids, plant extracts, enzymes, glandulars, and trace elements.
Prerequisites: NUT 530
(3 credit hours lecture, 2 terms)

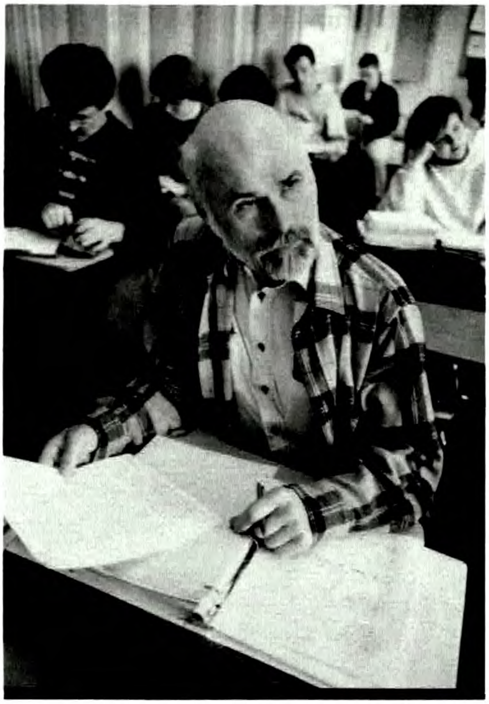
NUT 630 - Nutrition IV. Students are taught how to identify the need for diet changes, the tools and techniques of administering changes, and the use of food as medicine.
Prerequisites: NUT 620
(3 credit hours lecture, 1 term)

DEPARTMENT OF BOTANICAL MEDICINE

The botanical courses provide extensive training in the use of plant medicines in naturopathic practice, including their prescription, manufacture, and field recognition. One of only two accredited medical programs in the U.S. that trains physicians in botanical medicine, National College has a teaching clinic that houses 150 different herbal tinctures and 100 dry herbs. In addition to courses focused specifically on botanical medicine, the N.D. program includes discussion of botanical treatment in clinical science courses (immunology, gynecology, urology, dermatology, oncology, neurology, etc.).

BOT 440E/41E - Northwest Herbs. These elective courses cover basic plant botany and local plant identification, harvesting and drying techniques, and preparation of dry and fresh herb tinctures, salves and other preparations. Students are encouraged to develop an appreciation for plants that is not limited to seeing them as medicinal agents.
Prerequisites: none
(2 credit hours lecture/lab/field trips, 1 term)

BOT 510 - Pharmacognosy. In this course, students are taught the Latin binomial system of plant nomenclature, procedures of harvesting and drying, botanical sources, therapeutic effect, terminology, weights and measures, prescription writing and preparation of botanical medicines. The specific biochemical constituent groups of plant medium and their clinical uses are emphasized.
Prerequisites: none
(2 credit hours lecture,1 term)



Clinical nutrition is the cornerstone of naturopathic practice. Students spend about 200 hours studying basic nutrition and therapeutic diets in the classroom and clinic.

BOT 520/30, 610 - Botanical Materia Medica I, II, III. These sequential courses comprise a detailed survey of plants and plant preparations used in naturopathic practice, integrating traditional herbal knowledge with modern pharmacological research. The pharmacognosy, pharmacodynamics, toxicology, and therapeutics of each plant are considered.
Prerequisites: CLS 510/20, BOT 510
(2 credit hours lecture, 3 terms)

BOT 630E - Botanical Materia Medica IV. This elective course is an introduction to the emerging knowledge of the traditional pharmacopiea of Africa, Asia and other areas of the world.
Prerequisites: BOT 610, NPH 410, CHM 510-620
(4 credit hours lecture, 1 term)

DEPARTMENT OF HOMEOPATHIC MEDICINE

National College has a tradition of excellence in homeopathic education. The focus of study is on classical homeopathy as taught by Hahnemann and Kent.

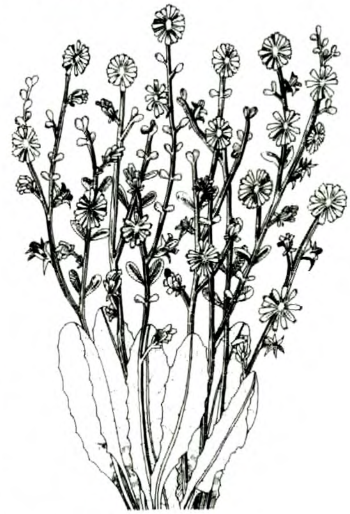
HOM 520 - Homeopathy I. As a result of this class students will be able to understand the principles and philosophy of classical homeopathy. Students should understand vitalistic medicine, history of vitalism, the vital force in health and disease, the nature of medicines, and ways to affect the vital force. Students will thoroughly learn the essence, keynotes, and characteristics of six polychrest remedies.
Prerequisites: NPH 410, CLS 510
(3 credit hours lecture, 1 term)

HOM 530 - Homeopathy II. As a result of this class, students will gain further understanding of constitutional homeopathy. Emphasis will be on case taking, case analysis, evaluation of remedy action and the follow-up interview. Students will be able to assess and classify the remedy reaction, will gain an understanding of Kent's Repertory, and will learn the arrangement, schema, and language of repertory. Ten polychrest remedies will be presented and discussed.
Prerequisites: HOM 520
(3 credit hours lecture, 1 term)

HOM 610 - Homeopathy III. Students will gain greater understanding of the use of Kent's Repertory, with emphasis on the mental and general sections. Students will gain greater knowledge of constitutional homeopathy, with emphasis on case analysis, the follow-up interview, evaluation of remedy action, and the second prescription. Ten polycrest remedies will be presented.
Prerequisites: HOM 530
(3 credit hours, lecture, 1 term)

HOM 620 - Homeopathy IV. Upon completion of this course students will be able to recognize the keynote symptoms of the remedies discussed, distinguish between the different remedies, find the rubrics related to the symptoms discussed in Kent's Repertory, and analyze an acute homeopathic case and find the indicated remedy.
Prerequisites: HOM 610
(3 credit hours lecture, 1 term)

CHICORY
Chichorum intybus



Chicory, a plant with a strikingly beautiful flower, is a powerful stimulant to liver function. The beauty of medicinal herbs reminds us that healing is not about waging war against disease, but about bringing a healthier, more harmonious balance back into a life. Naturopathic medicine advocates responsible action in preserving this balance, both within the body and within the external environment. It is our responsibility to create an environment in which humanity may thrive, respecting both the function and the beauty of our natural resources.

HOM 630E - Homeopathy V. For the discussed disease states, students will know the most common symptoms and the related rubrics, the most common remedies indicated, and how to differentiate between them. Students will view and analyze cases being taken, observing patients of different "remedy types", matching the symptoms of the patient with rubrics in Kent's Repertory, studying materia medica to find the most appropriate remedy. Students will understand the main indications and uses of discussed remedies.
Prerequisites: HOM 620
(3 credit hours lecture, 1 term)

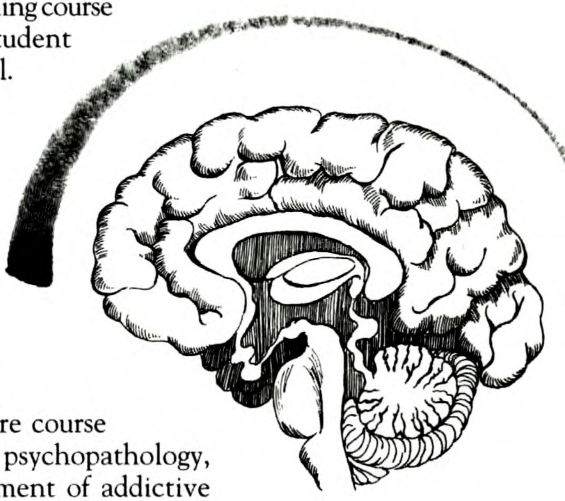
HOM 710E - Homeopathy VI. Upon the completion of this course students will know the most common symptoms and the related rubrics, the most common remedies indicated and how to different between them for the discussed disease states. Genitourinary problems,(including sexuality), cardiovascular, neurological, and musculoskeletal problems are studied. Materia medica is presented in each area, and differentials, important rubrics to consider, and most prominent remedies for each condition are taught. Cases (both paper and video) are presented, taken, analyzed, and remedies prescribed.
Prerequisites: HOM 620E
(3 credit hours lecture, 1 term)

HOM 720E - Homeopathy VII. Upon completing this course students will be able to describe the characteristic general and keynote symptoms and major therapeutic indications for at least eight additional homeopathy remedies and give the symptom indications with remedy comparisons for at least ten remedies most often used for each of several common gastrointestinal and dermatological complaints. The student will be able to describe the uses, strengths, and weaknesses of various repertories and methods of repertorization and will be able to prepare potencies from crude substances.
Prerequisites: HOM 620E
(3 credit hours lecture, 1 term)

HOM 730E - Homeopathy VIII. Upon completion of this course students will have learned the most important remedies in the treatment of the following conditions and will be able to differentiate and prescribe from among the leading remedies: eczema, psoriasis, warts, herpes zoster, gangrene, ulcers, diabetes, thyroid dysfunction, lumbago, sciatica, neuralgias, springs, arthritis, multiple sclerosis, suicidal tendencies, anxiety neurosis, insomnia, tumors and cancer. Case analysis skills and patient management skills will be refined.
Prerequisites: HOM 620E
(3 credit hours lecture, 1 term)

DEPARTMENT OF PSYCHOLOGY

The fundamental purpose of the psychology curriculum is to provide students with the information and skills necessary to work with patients in the realms of emotional and mental health. The basic principles of naturopathic medicine are reflected in psychological assessment, counseling techniques, and the basic approach to psychological problems, as well as integration of mind, body, and spirit.



THE RIGHT CEREBRAL HEMISPHERE AND SAGITTAL SECTION THROUGH THE BRAINSTEM

As the seat of the mind, the brain is much more than a biochemical organ for mental function. One of modern science's greatest challenges is to comprehend not only the brain-mind connection, but also the connection between the human mind, body, and spirit. True healing must involve the whole person. This understanding is integral to naturopathic medical training. Ultimately, the patient must be empowered to facilitate healing through a transformation of his entire being – mind and spirit as well as body.

PSY 410 - Psychology and Counseling I. This is a training course in stress identification and management. The student develops skills to cope with the rigors of medical school.
Prerequisites: undergraduate psychology
(.125 credit hours lab, 1 term)

PSY 420 - Skills of Communication. In this experiential class the student will develop beginning counseling skills including interviewing and listening, assertiveness, conflict management, boundary-making, and positive regard.
Prerequisites: PSY 410
(1 credit hour lecture, .375 credit hour lab, 1 term)

PSY 510 - Psychological Assessment. This lecture course deals with topics in medical psychiatry including psychopathology, pychopharmacology, and the assessment and treatment of addictive and abusive disorders.
Prerequisites: second year status
(2 credit hours, lecture, 1 term)

PSY 630 - The Doctor/Patient Relationship. This course deals with difficulties which arise in the doctor/patient relationship, including ethical issues, generating compliance, development of trust, ethical fee-setting, confidentiality, appropriate boundary-setting, making referrals, dealing with patients who have terminal disease, and other topics. Student discussion is emphasized.
Prerequisites: third year status
(1 credit hour lecture, .25 credit hour lab,1 term)

PSY 710 - Stress Management. This is an experiential course in techniques of stress reduction, time management and wellness assessment. Student participation is emphasized.
Prerequisites: fourth year status
(.25 credit hours lab, 1 term)

PSY 720 - Counseling Techniques. This course is an experiential study of the predominant holistic counseling theories and interventions, including process-oriented psychology, psychosynthesis, Reality Therapy, Reichian Therapy, etc. In addition, counseling skills with reference to actual case analysis are developed.
Prerequisites: fourth year status
(1 credit hour lecture, .5 credit hours lab, 1 term)

DEPARTMENT OF PHYSICAL MEDICINE

These courses teach the therapeutic modalities that formed the historical beginnings of naturopathic medicine – hydrotherapy and manipulative therapy. Study includes traditional as well as modern techniques which evolved with the advent of electricity in medicine.

PHM 420 - Bodywork. This course is a basic introduction to whole body massage with emphasis on the importance of touch as a means of communication between the practitioner and the recipient; the grounding of the self; the release of emotions, tensions, and memory stores; modesty and sexuality issues; zone therapy; and lymphatic drainage.
Prerequisites: none
(.5 credit hours lab, 1 term)

PHM 416/26 - Palpation Lab I, II. In this course students are taught to identify bony and soft tissue structures by external palpation with emphasis on preparation for naturopathic manipulative therapy and physical diagnosis.
Prerequisites: Concurrent enrollment in BAS 410/11, 420/21
(.5 credit hours lab, 2 terms)

PHM 412/22 - Hydrotherapy & Lab This is a lecture and practical course covering the physiological principles underlying the therapeutic use of water, heat, and cold. Students learn procedures by administering and receiving treatments and determining appropriate applications.
Prerequisite: NPH 410
(2 credit hours lecture, .5 credit hours lab, 2 terms)

PHM 431 - Medical Kinesiology. This course demonstrates methods of comparative muscle strength testing and grading as required in an orthopedic evaluation. Students are taught the relationship of bones, muscles, and movement, and how to discern which muscles create specific movements. The physics of biomechanics is also presented.
Prerequisites: BAS 410/20, PHM 416/26
(.5 credit hours lab, 1 term)

PHM 511/21 - Physiotherapy I, II. This course sequence covers the basic physics, physiology, indications, contraindications, and practical application of the major physiotherapy modalities: galvanism, sine wave, faradic and interferential currents, the diathermies, ultrasound, phototherapy, vibration, heat and cold.
Prerequisites: CLS 510/20/30 (or concurrent enrollment)
(1 credit hour lecture, .25 credit hour lab, 2 terms)

PHM 520 - Naturopathic Manipulative Therapeutics I. This course introduces students to the hands-on clinical performance skills for naturopathic manipulative therapy and complementary treatment for the lumbar spine, pelvis and coccyx. Skills for orthopedic examination, segmental mobility testing, and case reporting are also covered.
Prerequisites: PHM 416/26, CLS 510, concurrent enrollment in CLS 520 and NOS 520
(.5 credit hours lab, 1 term)

PHM 530 - Naturopathic Manipulative Therapeutics II. This course is a continuation of PHM 520. It covers the thoracic spine and ribcage and the thoracolumbar junction.
Prerequisites: PHM 520, concurrent enrollment in CLS 530 and NOS 530
(.5 credit hours lab, 1 term)

PHM 610 - Naturopathic Manipulative Therapeutics III. This course builds on the skills gained in PHM 520 and PHM 530. It covers the cervical spine and cervicothoracic junction.
Prerequisites: PHM 530, concurrent enrollment in NOS 610
(.5 credit hours lab, 1 term)

PHM 620 - Naturopathic Manipulative Therapeutics IV. This course focuses on the biomechanics, motion palpation, and manipulation of the upper and lower extremities. Use of appropriate orthopedic tests, preventive and therapeutic exercises, and orthopedic supports will be practiced.
Prerequisites: PHM 610; concurrent enrollment in NOS 620
(.5 credit hours lab, 1 term)

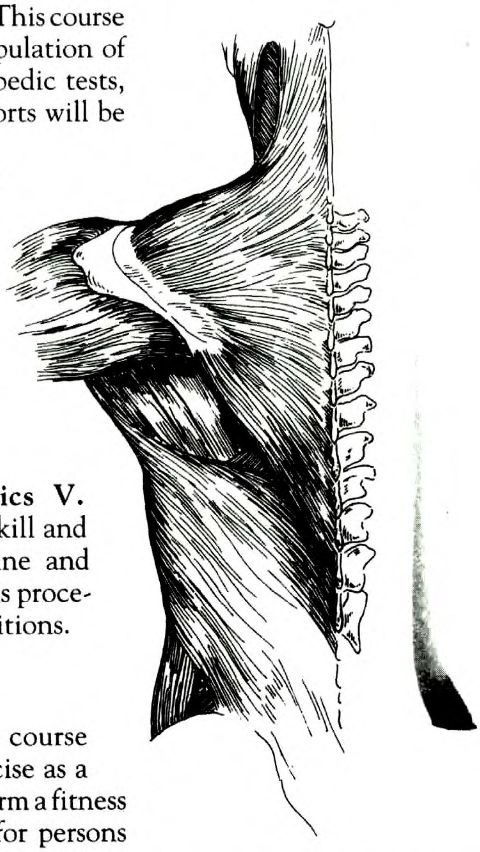
PHM 621/31 - Minor Surgery I, II. These courses teach students to diagnose those conditions that are safely treated by surgery in the office and the principles and practical techniques involved in the performance and follow-up of office surgical procedures.
Prerequisites: CLS 510/20/30
(2.25/1.5 credit hours, lecture/lab, 2 terms)

PHM 630 - Naturopathic Manipulative Therapeutics V. This advanced course is aimed at increasing the student's skill and confidence level in therapeutic manipulation of the spine and extremities. Students are taught advanced physical diagnosis procedures and how to interpret them for common clinical conditions.
Prerequisites: PHM 620
(.5 lab credit hours, 1 term)

PHM 710 - Preventive/Therapeutic Exercise. This course gives students an overview of the current research in exercise as a preventive and therapeutic tool. Students are taught to perform a fitness assessment and prescribe and monitor exercise programs for persons with certain disease conditions.
Prerequisites: BAS 412/22/32, 413/23; CLS 510/20/30
(.5 lab credit hours, 1 term)

PHM 740E - Advanced Minor Surgery. Upon completion of this course students will have a broader knowledge of surgical procedures: Z-plasty, M-plasty, various suturing techniques, that will enable them to handle a wider variety of cases.
Prerequisites: PHM 621/31
(2 credit hours, 1 term)

THORACIC VERTEBRAE AND SPINAL MUSCULATURE



Naturopathic medicine inherited the art of spinal manipulation from the drugless practitioners' movement of the 1800's. It is a powerful treatment method. But treating the spine in isolation is incomplete. The organ systems the spine serves must also be attended to. For example, chronic stomach problems may cause spinal misalignment. Until the stomach condition is corrected, the spine will need to be realigned again and again. Stomach function must also be restored to achieve a lasting cure.

DEPARTMENT OF CLASSICAL CHINESE MEDICINE

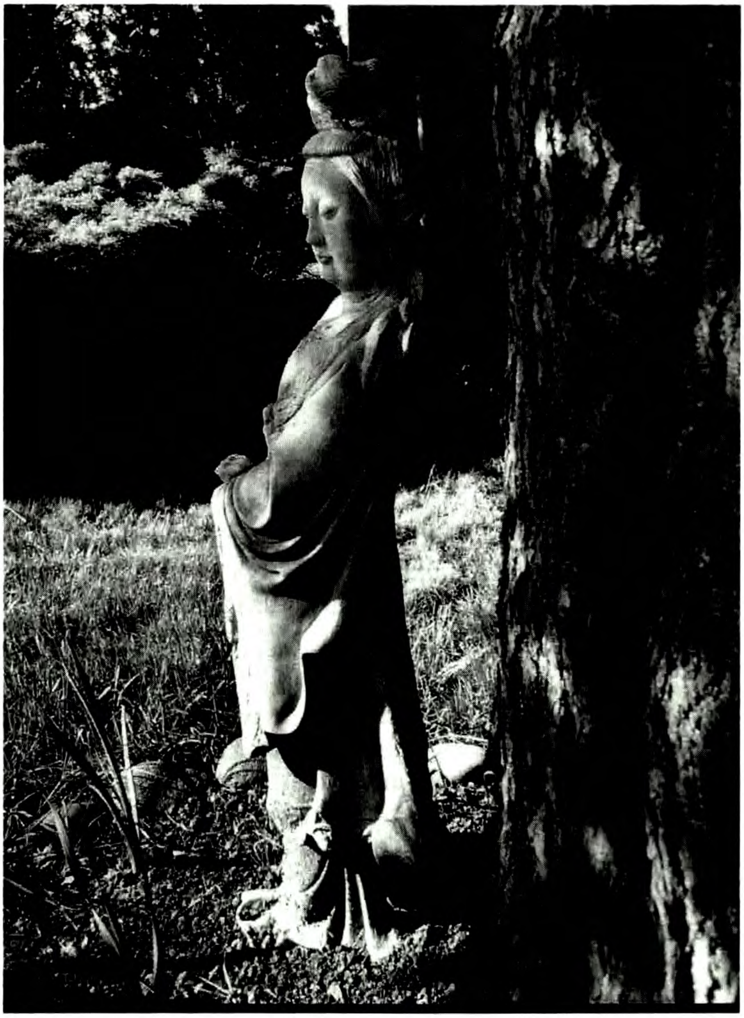
The College's current courses in Chinese medicine focus on classical Chinese medical principles and practice which are taught in reference to Chinese medical philosophy and integrated into general naturopathic medical practice.

CHM 510 Classical Chinese Medicine I. This course introduces the conceptual parameters of classical Chinese medicine, specifically the concepts of holism (heaven, man, and earth), duality (yin and yang), dynamism (five phases), and spiritual materialism (jing, qi, shen). Upon completion, students will be able to recognize the multidimensional nature of Chinese medical discourse and read critically through the literature of the field. They will understand that Chinese medicine is a system of thought, and get an initial idea of how theoretical concepts are utilized in clinical diagnosis and treatment.
Prerequisites: second year status
(3 credit hours lecture, 1 term)

CHM 520/30 Classical Chinese Medicine II & III. These courses are designed to apply the universal concepts of traditional Chinese thought and cosmology to the microcosm of the human body. The courses will convey a broad introduction to the major systems of Chinese diagnosis, particularly the organ network (zangfu) and six confirmation (liujing) approaches. Upon completion, students will be able to observe facial color, tongue, hair, nails, body fluids, pulse, etc., and make a basic analysis according to the diagnostic parameters of classical Chinese medicine.
Prerequisites: CHM 510/20
(2 credit hours lecture, 2 terms)

CHM 610 Classical Chinese Medicine IV. This course focuses on the therapeutic applications of Chinese medicine. Students will be introduced to the broad palette of classical treatment modalities (herbs, acupuncture, moxibustion, massage, topical application of herbs, umbilicus therapy) and their specific indications. A selection of common diseases will be discussed in terms of traditional differentiation. Upon completion, students will be able to differentiate common symptom patterns and make basic therapeutic suggestions.
Prerequisites: CHM 530
(2 credit hours lecture, 1 term)

CHM 620 - Classical Chinese Medicine V, Chinese Materia Medica. This course will introduce the basic principles of Chinese herbal medicine and traditional formula design. Focus will be given to the most commonly used herbs and formulas, with specific focus on their traditional indications. Upon completion, students will be able to recognize indications for a selection of key formulas and master their most common modifications.
Prerequisites CHM 610
(2 credit hours lecture, 1 term)



Chinese medicine offers an important understanding of the unity of the body and mind and adds to the Western understanding of physiology

DEPARTMENT OF CLINICAL SCIENCES

The clinical science courses teach the knowledge and techniques necessary to understand and diagnose disease.

CLS 430 - Introduction to Pathology. This course approaches the study of disease through the pathological processes that apply to tissue in general such as cell injury and death, inflammation, repair, and neoplasia.
Prerequisites: BAS 420/22, concurrent enrollment in BAS 430/32
(2 credit hours lecture, 1 term)

CLS 510/20/30 - Clinical and Physical Diagnosis I, II, III. In these courses, the student is taught the techniques for physical examination of the body systems, including developing an appreciation of the normal variations and the abnormalities associated with disease states. The student is taught the signs and symptoms of common diseases, laboratory techniques for further evaluation, and procedures involved in coming to an assessment of a patient's medical condition. Emphasis is placed on the use of reference material and referral for specialist care when appropriate.
Prerequisites: BAS 430/32; concurrent enrollment in CLS 511/21/31
(4 credit hours lecture, .5 credit hours lab, 3 terms)

CLS 511/21/31 - Physical Diagnosis Lab I, II, III. These courses cover the practical portion of the physical diagnosis curriculum. Students are taught charting skills, history-taking, and all aspects of the physical examination.
Prerequisites: concurrent enrollment in CLS 510/20/30
(.5 lab credit hours, 3 terms)

CLS 512/22/32 - Pathology I, II, III. This year-long course, coordinated with Clinical and Physical Diagnosis and Laboratory Diagnosis, involves the study of the essential nature of diseases, in particular those diseases that cause structural or functional changes in tissue. The causes, development, cellular and tissue changes, and clinical courses of the diseases involving human organ systems, are taught.
Prerequisites: CLS 430
(4 credit hours lecture, 3 terms)

CLS 513/23/33 - Laboratory Diagnosis I, II, III. This course sequence is coordinated with Pathology and Clinical and Physical Diagnosis. Students are taught the indications and identifications of those laboratory tests commonly done in a general practice.
Prerequisites: BAS 423, 432/33, concurrent enrollment in CLS 510/20/30, CLS 512/22/32
(2 credit hours lecture, .25 lab credit hours, 3 terms)

CLS 515 - Immunology. This course covers the basics of genetic, cellular, biochemical, and physiologic functions of the immune system with emphasis on the role of the immune system in protecting against microbial infections and tumors. Immune deficiency states and autoimmunity are presented along with an introduction to psychoneuroimmunology.
Prerequisites: BAS 410/20/30, BAS 412/22/32
(2 credit hours lecture, 1 term)

CLS 516/26 - Pharmacology I, II. This course sequence covers the basic pharmacology of the major categories of drugs. Their therapeutic uses, adverse reactions, side effects, contraindications, and drug interactions are covered.
Prerequisites: BAS 423, 432, NPH 410/20
(3 credit hours lecture, 2 terms)

CLS 525 - Public Health. In this course students are taught the etiology, epidemiology, prevention, and control of communicable diseases from the public health point of view. Special emphasis is placed on how the physician interacts with public health agencies.
Prerequisites: BAS 433, CLS 510, concurrent enrollment in CLS 520
(2 credit hours lecture, 1 term)

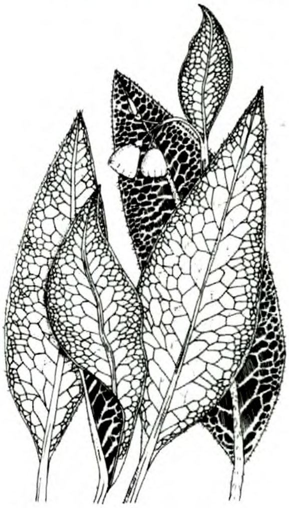
CLS 614/24/34 - Diagnostic Imaging I, II, III. Students are taught the radiographic anatomy and radiographic findings of common disorders with emphasis on differential diagnosis and clinical correlation. The basics of ultrasonography, nuclear medicine, computed tomography, and magnetic resonance imaging and their proper use in diagnosis are also covered.
Prerequisites: BAS 430/32, prerequisite or concurrent enrollment in CLS 510/20/30
(3 credit hours fall term, 2 credit hours winter/spring, lecture, 3 terms)

CLS 621 - Medical Genetics. This course covers the basis, diagnosis, and transmission of chromosomal and genetic disorders. The role of genetics in congenital diseases, prenatal diagnosis of genetic and chromosomal diseases, and new techniques in human molecular genetics are emphasized.
Prerequisites: BAS 414, CLS 512/22/32
(1 credit hour lecture, one term)

CLS 630 - Emergency Medicine. In this course students are taught to recognize and respond to medical emergencies with naturopathic techniques and appropriate decisions for referral. Students are taught and may become certified in cardiopulmonary resuscitation (CPR).
Prerequisites: CLS 510/20/30
(2 credit hours lecture/lab, 1 term)

CLS 631 - Environmental Medicine. This course focuses on the health effects of pollutants in the environment and in the workplace. Students are taught how chemical substances and radiation affect the human organism and how to diagnose and treat the disease conditions that occur from these exposures.
Prerequisites: BAS 413, 423; CLS 530, 532
(2 credit hours lecture, 1 term)

COMFREY
Symphytum officinale



Using naturally-occuring "drugs" – botanical medicine – is just one way naturopathic medicine benefits from nature's wisdom. The body has a natural wisdom, a healing process that is both ordered and intelligent. Naturopathic practice includes only those therapies that work with this natural process. Disrupting or circumventing nature's process may only drive the problem deeper, often causing chronic disease. Botanical medicines are compatible with the body's own chemistry and are there-fore gentle, less disruptive. In addition to palliating, many botanicals also stimulate the natural process of healing and function. For example, comfrey has constituents that stimulate cell growth.

NATUROPATHIC PRACTICE/ ORGAN SYSTEMS

These courses present a system by system analysis of diagnosis, treatment, and health restoration from a naturopathic perspective – the basic working knowledge of the naturopathic physician.

ADDUCTOR MAGNUS AND
ADDUCTOR LONGUS

Our goal is to train physicians who can not only recognize and treat disease, but also create and maintain good health. Chief among preventive methods are proper nutrition, from which healthy structure is created, and exercise, through which it is maintained. We study anatomy and pathology simultaneously with therapeutic exercise and clinical nutrition.

NOS 520 - Orthopedics I. This course introduces the student to the history and rationale of naturopathic manipulative therapy. Biomechanics of the spine, and the pathophysiology, diagnosis, and treatment of diseases and disorders of the lumbar spine, pelvis, and coccyx are studied.
Prerequisites: CLS 510; concurrent enrollment in CLS 520, PHM 520
(1 credit hour lecture, 1 term)

NOS 530 - Orthopedics II. This course continues the study begun in Orthopedics I of the pathophysiology, diagnosis, and treatment of the diseases and disorders of the spine and pelvis. Study of conditions affecting the lumbar spine are concluded and those of the thoracic spine and ribcage are encompassed.
Prerequisites: NOS 520; concurrent enrollment in CLS 530, PHM 530
(1 credit hour lecture, 1 term)

NOS 540E - Chronic Viral Disease. As a result of this class the student will be able to: understand the predisposition, etiology, course and diagnosis of chronic viral infections and some common autoimmune diseases. Special emphasis is placed on CFIDS, HIV, and collagen-vascular diseases. Thearapeutics will be covered in depth.
Prerequisites: CLS 515, concurrent enrollment in CLS 530 and CLS 533
(2 credit hours lecture, 1 term)

NOS 610 - Orthopedics III. This course concludes the study of the pathophysiology, diagnosis and treatment of diseases and disorders affecting the spine and pelvis begun in Orthopedics I. Conditions affecting the cervical spine and cervicothoracic junction are covered as well as therapy integration and case management skills.
Prerequisites: NOS 530, CLS 530; concurrent enrollment in PHM 610
(1 credit hour lecture, 1 term)

NOS 611/21 - Office Orthopedics I, II. This course covers the diagnosis and treatment of disorders involving the skeletal system and which conditions can be safely handled in a general practice office. Students practice taping, splinting, and casting techniques.
Prerequisites or concurrent enrollment in NOS 610/20, PHM 620
(.5 credit hours lab, 2 terms)

NOS 613 - Gynecology. This course's primary focus is the female genital system and the diagnosis and treatment of the problems associated with it. Fertility and family planning are also discussed.
Prerequisites: CLS 510/20/30
(3 credit hours lecture, 1 term)

NOS 620 - Orthopedics IV. This course covers the treatment of orthopedic conditions of extremities including tennis elbow, carpal tunnel syndrome, ganglions, arthritis, knee and ankle sprains, and pronation/supination syndromes.
Prerequisites: NOS 610; concurrent enrollment in PHM 620
(1 credit hour lecture, 1 term)

NOS 622 - Cardiology. This course focuses on pathophysiology, diagnosis, and treatment of conditions affecting the heart and circulatory system. Students are taught to assess and treat common conditions and to refer effectively when needed.
Prerequisites: CLS 510/20/30
(3 credit hours, lecture, 1 term)

NOS 630 - Cardiopulmonary Lab. The student will acquire competency in a range of cardiovascular and pulmonary test procedures commonly used in naturopathic practice. Emphasis will be on practical skill development in laboratory testing.
Prerequisites: NOS 622
(.5 credit hours lab)

NOS 632 - Pediatrics. This course focuses on a thorough review of physical examination, recognition of normal variations, and diagnosis of the pediatric conditions encountered in a general family practice. Appropriate use of referral is stressed along with the therapy and management of disorders. Guest lecturers are brought in for their special skills in this area.
Prerequisites: CLS 510/20/30
(3 credit hours lecture, 1 term)

NOS 710 - Eye, Ear, Nose and Throat. This course covers the diagnosis and treatment of common EENT problems with consideration of emergencies and problems needing referral. It also explores some of the less common pathologies and approaches to treatment.
Prerequisites: CLS 510/20/30
(2 credit hours lecture, 1 term)

NOS 711 - Dermatology. This course emphasizes the diagnosis of common and serious skin lesions. The principles of non-suppressive and curative therapies are discussed, as well as conventional medical treatments.
Prerequisites: CLS 510/20/30, 512/22/32; NUT 530, 610
(2 credit hours lecture, 1 term)

NOS 712 - Endocrinology. This course focuses on the complex interactions of the hormonal systems of the body and the causes and effects of metabolic and hormonal imbalance. Diagnosis and treatment of the common hormone disorders are presented.
Prerequisites: CLS 510/20/30, 512/22/32, 513/23/33
(2 credit hours, lecture, 1 term)

NOS 714 - Geriatrics. This course covers the process of aging and the psychosocial and physical problems of older people. Diagnostic and therapeutic techniques are discussed. Emphasis is placed on preventing, reversing, or retarding degenerative changes and maximizing health.
Prerequisites: Fourth year status, CLS 510/20/30
(2 credit hours, lecture, 1 term)

NOS 715 - Gynecology Lab. In this laboratory course students are taught techniques and skills associated with gynecological treatment and diagnosis.
Prerequisites: NOS 613
(.5 credit hour, lab, 1 term)

NOS 720 - Neurology. This course reviews the basic neurological exam and the diagnosis, management, and treatment of diseases of the nervous system. Appropriate collaboration with specialists is stressed.
Prerequisites: CLS 510/20/30
(2 credit hours, lecture, 1 term)

NOS 721 - Urology. This course covers the naturopathic and conventional diagnosis and treatment of diseases affecting the urinary tract. Topics include diagnosis and treatment of cystitis, urethritis, the various forms of nephritis, urinary tract stones, cancers, and vesicoureteral reflux. Also included is a section on diseases of the male genital system.
Prerequisites: CLS 510/20/30
(1 credit hour lecture, 1 term)

NOS 732 - Gastroenterology. This lecture course concentrates on the disorders of the digestive tract and associated organs. Physical examination techniques, x-ray, tract and laboratory studies, and treatment are discussed.
Prerequisites: CLS 510/20/30, 512/22/32. NUT 530/610
(2 credit hours lecture, 1 term)

NOS 723 - Proctology. This course teaches students the diagnosis, assessment, and treatment of conditions of the anus and rectum. The use of office surgical techniques is emphasized.
Prerequisites: CLS 510/20/30, PHM 631
(1 credit hour, lecture, 1 term)

NOS 725 - Oncology. This course covers diagnostic, etiologic, prognostic, preventive, and epidemiologic information for cancers of common sites. Conventional, alternative, and innovative approaches are discussed. Use is made of guest lecturers from various specialties and disciplines.
Prerequisites: Fourth year status, CLS 510/20/30
(2 credit hours, lecture, 1 term)

DEPARTMENT OF NATUROPATHIC OBSTETRICS

Naturopathic obstetrics includes the application of naturopathic principles and methods to the obstetrical aspect of family practice. Our students are trained in the dynamics of natural childbirth management and the emergency procedures which may be necessary to provide for the safety of the mother and the infant.

NATUROPATHIC OBSTETRICS AS A SPECIALTY

Students intending to include natural childbirth in their practices may earn a Certificate in Naturopathic Obstetrics by completing the six elective courses which prepare the physician to manage pregnancy, childbirth, postpartum, and neonatal periods and satisfying preceptorship requirements.

National College is developing a post doctoral program which replaces our Certificate in Naturopathic Obstetrics Program. This program will provide a post doctoral intensive year in both academic and clinical training.

OBS 610 - Obstetrics I, Obstetrics for the General Practitioner. This course prepares the naturopathic physician to provide health care appropriate to the special circumstances of pregnancy. Topics covered include diagnosis of pregnancy, initiating prenatal care, therapeutics for early pregnancy, management of spontaneous abortion, infertility, referrals, overviews of normal and complicated labor and birth and the postpartum care of mothers and infants. The student is prepared to provide risk screening and to offer clients informed choices related to hospital or out-of-hospital birthing options.
Prerequisites: CLS 510/20/30, CLS 511/21/31, CLS 512/22/32, CLS 513/23/33
(3 credit hours lecture, 1 term)

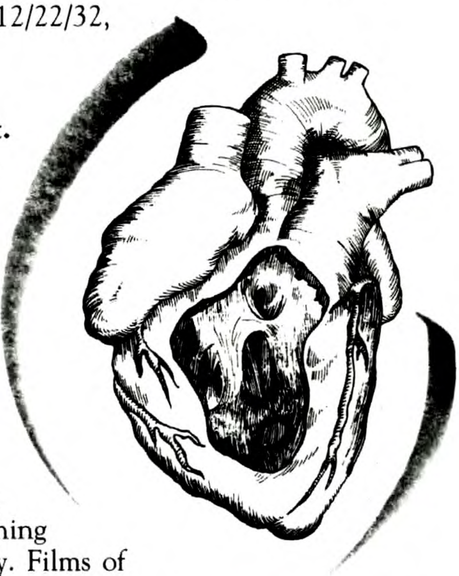
OBS 620E - Obstetrics II, Pregnancy Management. This course initiates specialty training in naturopathic obstetrics. The emphasis is on the role of prenatal care in assessing and assisting the maintenance of well being for mother and fetus. Screening skills introduced in Obstetrics I are refined and expanded upon. Complications of pregnancy are studied along with the continuum of appropriate treatment possibilities, ranging from naturopathic therapeutics to referral for high risk cases.
Prerequisites: OBS 610
(3 credit hours lecture, 1 term)

OBS 630E - Obstetrics III, Labor and Birth. This course prepares the student to provide support and safety to the birthing family through labor and the emergence of the new baby. Films of normal labor and birth are used to enhance lectures on the techniques of monitoring the fetal/maternal condition and the progress of the labor. Complications of labor and birth are examined and the hands-on skills required for response to those situations are discussed and demonstrated.
Prerequisites: OBS 610
(3 credit hours lecture, 1 term)

OBS 710E - Obstetrics IV, Postpartum Management. This course begins with the third stage of birth, delivery of the placenta, and concludes with the six weeks of postpartum. The effects of the resolution of pregnancy and the beginning of motherhood on a woman's body, mind and spirit are studied. Students are taught practical skills such as perineal repair, bladder catheterization, IV insertion, blood loss estimation, management of postpartum hemorrhage, and breast feeding support, as well as an appreciation for the dynamics of personal and familial transition during this period.
Prerequisite: OBS 610
(3 credit hours lecture/lab, 1 term)

OBS 720E - Obstetrics V, Neonatology. This course educates both the general practitioner and the N.D. obstetrical specialist on case management of the mature fetus and newborn to 12 weeks of age. Lectures include a review of fetal development from 34 weeks gestation, transition anatomy-physiology in the neonate, normal newborn assessment, and screening and treatment for newborn anomalies and special needs.
Prerequisites: OBS 610, NOS 622
(3 credit hours lecture/lab, 1 term)

THE HUMAN HEART:
CORONARY ARTERIES AND
THE GREAT VESSELS



Traditionally, cardiology focuses on the heart alone. This disregards the essential unity of the human body and the interdependent relationship between the organ systems. In the naturopathic model, we treat the heart while, at the same time, working to increase digestive, liver, and/or kidney function. Increasing the efficiency of digestion lightens the burden on the heart. Increased function of all three systems enhances the quality of the blood. A variety of therapies will increase function, in particular, botanical medicine. Whether the potency of digitalis or the gentle nourishment of crategus, each individual case will require a unique treatment plan.

OBS 730E - Obstetrics VI, Special Topics Seminar. This seminar provides students with the opportunity to research topics of special interest and share information with colleagues. Topics presented by the course instructors include adolescent pregnancy, counseling and grief in pregnancy loss, adoption, and working with related social agencies.
Prerequisites: OBS 610
(2 credit hours lecture/lab, 1 term)

OBS 740E - Obstetrics VII, Legal Aspects of Midwifery. Medical/legal/malpractice issues are discussed with respect to different states as well as requirements for licensure.
Prerequisites: OBS 610
(1 credit hour lecture, 1 term)

DEPARTMENT OF CLINICAL EDUCATION

MUSCLES OF THE THUMB AND THENAR EMINENCE

The human hand: muscle, tendon, ligament, bone, and much more. Human touch is a tool with profound therapeutic value. Massage, spinal manipulation, and the many other "hands-on" modalities do more than help restore structure and mechanical function. They soothe the spirit and build trust between the doctor and patient, which truly stimulates the healing process.

CLE 430, CLE 510/20/30, CLE 610/20/30/31, CLE 701/10/11/20/30. Students gain practical clinical skills by working under the supervision of licensed naturopathic physicians, both in the College's teaching clinic and at other health care facilities. Students begin learning through observation and gradually gain more responsibility for patient care until they assume primary status. All patient care is under the direct supervisions of licensed physicians.

Requirements for the completion of the clinical externship include 1500 clock hours of clinic time distributed in specific areas, a minimum of 500 patient contacts; demonstrated competence in specific clinical skills; and the guidance and assessment of the clinic staff in clinical skills, knowledge, judgement, professional and ethical behavior, and communication skills.

The clinical experience begins at the end of the first year. The role of first and second year students is chiefly technical: performing various hydrotherapy treatments, massage, and physiotherapy. During the spring of the second year through the third and fourth years, students become part of the treatment teams that deliver primary care in the clinic (12 hours per week 3rd year, 22-24 hours 4th year). Student clinicians' schedules rotate through the clinic dispensary, x-ray, laboratory and front office.

Each student spends at least six weeks in the clinic during the summer between the third and fourth years. Included in clinic externship is a one hour per week lecture series, "Naturopathic Grand Rounds," where guest lecturers present material of clinical interest to students and clinicians, and instructive cases are discussed. In addition to practical clinical experiences, the clinical education sequence also includes eight specific courses.

Prerequisites: Prior to beginning third year clinical training students must gain Degree Candidacy status and pass the Clinic Entrance Examination given during the spring of the second year.

FIVE-YEAR N.D. TRACK

While the N.D. program is designed to be completed in four years, the College has also developed a five-year schedule as an option. The five-year option spreads the work load over an additional year, providing a less intense schedule with more time for working, family, or other responsibilities. Students who choose this option must formalize their decision by meeting with an academic advisor.

RESEARCH

National College instituted its research program in 1988. Since then, the College has been developing the research department infrastructure. The research department is working to increase the awareness of the need for research into naturopathic methods. This will be accomplished through publication of work being done at the naturopathic colleges and through a program involving naturopathic physicians in the field in clinical research.

Current research at National College focuses on evaluating traditional naturopathic treatments and resources, assessing current practices, as well as exploring promising new therapies and diagnostic techniques. The research department is headed by the research director who is responsible for initiating and procuring funds for new projects.

The director submits protocols for clinical trials for review by the College's Institutional Review Board. The Review Board is responsible for approving and overseeing all research involving human subjects. Once a project is approved, the director and principal investigator must submit progress reports to the Review Board as well as a final report.

The faculty and staff physicians at the college are encouraged to engage in research. The staff physician or faculty member, as principal investigator, is responsible for carrying out the patient care involved in the project and writing up the results. Protocol development, administrative support, and data collection for the project is coordinated by the research director.

Because of its eclectic treatment approach, naturopathic medicine is well-suited to a clinical research model.

The College has several research support facilities. While not exclusively a research facility, the College's teaching clinic provides physician, administrative, and equipment support for these studies. With a significant patient base and local area recognition, the clinic plays a key role in subject recruitment as well. The clinic's laboratory provides in-house analyses and specimen collections for reference labs in clinical trials. The College's library is also a valuable resource, supplying journal and electronic document retrieval services.

STUDIES COMPLETED AND PUBLISHED

Clinical Manifestations of HIV in Women.
Stretch, E., *Journal of Naturopathic Medicine*, 1992. 3:12-19.

Consecutive Case Study Research of Carcinoma-in-situ Employing Local Escharotic Treatment Combined with Nutritional Therapy.
Hudson, V., *Journal of Naturopathic Medicine*. 1991. 2:6-10.

The Physiological Effects of Colon Hydrotherapy.
Collins, J., Mittman, P., Journal of Naturopathic Medicine. 1990. 1:4-7.

Double Blind Randomized Study of Urtica dioica in the Treatment of Allergic Rhinitis.
Mittman, P., *Planta Medica*. 1990. 56:44-47.

The College's teaching clinic is home to one of the most extensive natural products dispensaries in the Northwest. Students learn how to prescribe the full spectrum of natural products including dry botanicals, botanical tinctures and salves, protomorphogens, salves, homeopathics, nutritional products, and Chinese botanical formulas.

STUDIES COMPLETED AND PRESENTED IN SCIENTIFIC ASSEMBLY

Outcomes of Patients Undergoing Alternative Cancer Therapy at Three Mexican Cancer Clinics.
Austin, S. AANP Convention. 1988.

Consecutive Case Study Research of Carcinoma-in-situ of the Cervix.
Hudson, V. AANP Convention. 1987.

Cervical Dysplasia: Naturopathic Protocols Put to the Test.
Hudson, V., Linton, M. AANP Convention. 1991.

Clinical Assessment of Food Sensitivities.
Thom, D. AANP Convention. 1992.

OTHER STUDIES COMPLETED

Study on the Effects of Optiobiotic on Influenza.
Boyle, W., Coletto, J., Hudson, V. Unpublished.

The Effect of Odorless Garlic on the Treatment of Polysystemic Candidaisis: A Clinical Trial.
Grotzinger, J. Completed, results equivocal; Unpublished.

The Effects of Aloe Vera on the Symptoms of Migraine.
Mittman, P., Barrett, R. Study completed; results inconclusive. Unpublished.

Yeastgard in the Treatment of Vaginal Yeast Infections.
Keaton, D. Study completed with the results showing no statistically significant effect.

Cervical Cap Study Report.
Completed in 1991 with reports submitted to the FDA, which authorized the study report. The College was involved in a ten-year nation-wide study of the safety and efficacy of the cervical cap as a method of birth control. Study conclusions were submitted to the FDA in February, 1992.

Alternative Cancer Therapies: a project sponsored by CURE.
One paper was completed: The Unveiled Cancer Care: Immunotherapy. MacIntosh, A., 1988. Unpublished.

The Effects of Light Therapy on Sinusitis.
Keaton, D. Study completed, results inconclusive.

Academic Policies

ACADEMIC COUNSELING

The academic program is administered through the Office of Academic Affairs under the instructional affairs officer. Academic counseling is provided by the instructional affairs officer, the associate dean of academic affairs, and faculty advisors. Guidance is available on creating a personal timeline for students on an extended program, transfer of credit, stress management, and academic and professional progress. Each incoming student is assigned a faculty advisor/mentor. Students who are pursuing any program other than the standard one must confer with the academic office to insure all requirements are being met.

REGISTRATION

Returning students register for fall term classes during week eleven of the preceding spring term. Incoming students register by mail during the preceding summer. Registration for winter and spring terms takes place during the eleventh week of the preceding term. Students registering after the formal registration process will be assessed a $45 late fee and will only be permitted to do so until the end of the first week of classes.

Students who wish to register for less than the full-time curriculum must receive written approval from the instructional affairs officer or the associate dean of academic affairs. No new student may register for or begin classes after the end of the first week of any term.

Each person who registers for a class at NCNM must be admitted into the College as a student in one of our approved programs. The student may take only those courses in the program into which the student is admitted.

Licensed health care practitioners with a doctoral level degree (i.e., N.D., M.D., D.C., D.O.) may, with the permission of the instructional affairs officer and the instructor and completion of prerequisite course work, register for NCNM classes for continuing education credit.

The College may allow members of the community to audit (not for credit) specifically approved courses. Currently on this approved list are the following courses: Naturopathic Medical Philosophy, History of Medicine, Northwest Herbs.

FULL-TIME STATUS

A full-time student is one who is enrolled for at least 13.5 credits per quarter and no more than 12 credits in any academic year more than the total credits allocated to the student's core curriculum in the track for which the student is approved. Core curriculum is defined as required course work excluding electives. Refer to the curriculum for your year, which is indicated in the program of study of this catalog, or your personal worksheet, which is retained by the registrar.

OVER-TIME STATUS

An over-time student is one who is enrolled for more than the maximum credits designated for a full-time student. Over-time student status requires the approval of the instructional affairs officer or associate dean of academic affairs. See Tuition and Fees for the per credit charge for over-time status.

TRANSFER CREDIT

The College may award a limited amount of transfer credit for work done in other doctoral-level programs. To have courses formally evaluated for transfer credit, applicants must first gain acceptance for admission. All requests for transfer credit are considered on a course-by-course basis. In order to make an accurate evaluation, the Office of Academic Affairs may request a catalog or course description for courses to be transferred. The student may be required to take a challenge exam in an effort to insure that previous course work is appropriate to meet National College standards. Credit will not be transferred for work at less than a doctoral level and must be demonstrated by official transcript. Transfer credit will be accepted only from institutions which are regionally accredited or are specifically or categorically approved by the Oregon Office of Educational Policy and Planning (OEPP).

There is presently no provision for awarding transfer credit for "life experience."

In general, it will take transfer students a *minimum* of two years in residence at National College to complete the N.D. program, even with maximum transfer of credit from another program. Students who transfer credit from another naturopathic program recognized by the Council on Naturopathic Medical Education and the OEPP are required to spend at least one year in residence at National College to obtain the degree.

All requests for transfer credit for work done at a foreign institution must first be evaluated by a professional transcript evaluation agency. Contact the admissions office for more information.

CHALLENGE EXAMINATIONS

National College will make it possible for an individual to challenge by examination the content of a required course following documentation of similar course content through other courses or experience. In order to be considered for a challenge exam the student must:

1. Register for the course.
2. Provide the Office of Academic Affairs with documentation of a similar course or experience.
3. Complete a challenge exam form which may be obtained from the registrar.
4. Have the application for a challenge exam approved by the instructional affairs officer.
5. Take the exam within the first two weeks of the term.

See "Financial Policies" section for information on fees.

AUDITING

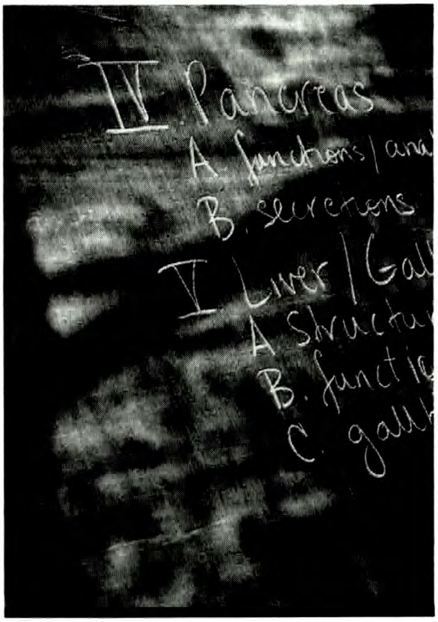
Students may audit a course, provided they have met the prerequisites and registered for the course. Even though auditing means that a student will not be evaluated or receive credit, the course will appear on the student's official transcript as an "audit." See "Financial Policies" for information on fees.

ADDING/DROPPING COURSES

Courses may be added or dropped by completing the appropriate forms found in the registrar's office. See "Financial Policies" for full information on fees. Classes may be added during the first two weeks of the term with no fee. Classes added after the second week of the term must have the written permission of the instructor and will require a $10 fee. No classes may be added after the first four weeks of the term. Required courses may be dropped with the written approval of the instructor and the instructional affairs officer or associate dean of academic affairs through the end of the first eight weeks of the term. Withdrawal from a course in the ninth or tenth week will result in a "W" designation on a student's transcript.

ATTENDANCE

The College expects prompt and regular attendance at classes. Any faculty member may require students to attend up to 90% of scheduled classes as a condition of passing a course. In addition to possible academic consequences, habitual tardiness may be reported to the student services administrator for disciplinary action under the Student Conduct Code.



Once a student is admitted, the College is committed to helping her or him become a successful physician. One-on-one tutoring is available through the Office of Acedemic Affairs.

GRADING AND PROMOTION

National College maintains high standards of scholarship and maintains that students who are admitted are capable of successfully completing the ND program. The College recognizes its responsibility to provide each student the fullest opportunity to complete the program satisfactorily. At the beginning of each course, the instructor is required to define clearly for the members of that class the objectives of the course and the standards and methods by which student achievement will be measured. At the end of each course, each student's performance is reported to the registrar, using the following grading system:

H (HONORS)
superior performance
P (PASS)
satisfactory performance
F (FAILURE)
unsatisfactory performance
I (INCOMPLETE)*
temporary grade-course requirements not yet completed
W (WITHDRAWAL)
student withdrew from course

* It is the responsibility of the student receiving an Incomplete to complete the course requirements as specified by the instructor and to see that the registrar receives proper notification of the grade change. A grade of Incomplete that is not converted to a passing grade will automatically become a Failure. Incompletes must be made up within four weeks after they are posted.

Promotion to each successive phase of the program is based on continued satisfactory academic performance and normal progress toward the degree. This is defined by a student's completion of all courses as laid out on their designated track (4-yr, 5-yr, etc.) with a grade of "H" or "P." Any student who is not making normal progress toward the degree will be referred to the Academic Appeals Committee by the instructional affairs officer. (Please see Student Handbook for the specifics regarding both full and part-time credit completion requirements necessary for the maintenance of satisfactory academic progress.)

SATISFACTORY ACADEMIC PROGRESS, ACADEMIC PROBATION, SUSPENSION OF FINANCIAL AID

National College policies require that each student maintains satisfactory academic progress toward her/his degree in order to continue our program. Moreover, Federal regulations require that financial aid recipients and financial aid applicants maintain satisfactory academic progress toward their degrees. National College's academic standards for continued enrollment meet or exceed the federal standards for financial aid recipients.

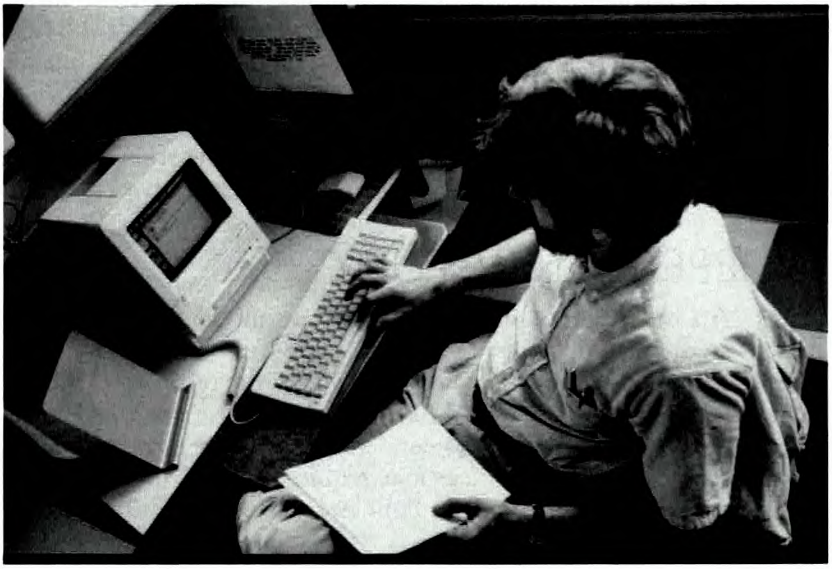
A student will be placed on academic probation for failing any required course in the core curriculum during an academic term. A core course is any required course which is not taken for elective credit. A student on probationary status must successfully remediate any failed course(s) the next time the course is offered and must pass all core courses the following quarter in order to meet the definition of making satisfactory academic progress.

A student not making satisfactory academic progress toward the N.D. degree will be reviewed individually by the Academic Appeals Committee and, if a financial aid recipient, will be suspended from receiving further financial aid as required by regulations, and may result in dismissal from our program. See the Student Handbook for Academic Appeals Committee policies and procedures.

Federal regulations also require that financial aid recipients pass a minimum of 40 credits each academic year. The financial aid for a student who passes fewer than 40 credits in an academic year will be suspended but may be reinstated by passing sufficient credits in the following year to bring up the average to 40 credits per year over that two year period. Students may apply for financial aid to attend National College for up to four years in the four year program and for up to five years in the five year program. Exceptions are made for students that exceed five years provided their special academic programs meet federal regulations and are approved by the instructional affairs officer. Regardless of loan eligibility, no program will be approved which exceeds seven years.

Veterans who are on probation for more than one term may be disqualified for VA benefits by the Veterans Administration.

National College recognizes that there may be circumstances that prevent a student from meeting the standards for satisfactory academic progress toward our degree. The process for appealing decisions of the Academic Appeals Committee is outlined in the Student Handbook.



The National College Library is a unique collection of classical and modern works of natural medicine as well as the conventional medical sciences including 7,000 books, 105 journals, 4,200 audio/video tapes, and an extensive vertical file.

GRADUATION REQUIREMENTS

The candidate for the N.D. degree must:

1. Satisfy all courses in the prescribed curriculum;
2. Satisfy clinic requirements;
3. If a transfer student, complete at least the final year of professional training enrolled as a student at National College;
4. Satisfy all financial obligations to the College.

DEGREE CANDIDATE STATUS

In order to begin clinical training at the third year level, students must obtain degree candidate status which requires:

1. Satisfactory completion of admission prerequisites.
2. Satisfactory completion (passing grades) of all first and second year courses.
3. Satisfactory grade on the clinic qualifying exam.

LEAVE OF ABSENCE

A student may apply for a leave of absence which entitles one to unconditional re-entry to the College, provided there is space in her/his class during the next calendar year. The student must advise the admissions office and the student services administrator of intention to return to the College by the admissions application deadline posted in the Academic Calendar to insure a space in her/his class. A leave of absence will normally be granted to any student who is in good standing (has no incompletes and is not on academic or disciplinary probation) and who has satisfied all financial obligations to the College.

Federal regulations require that any student who has received a loan while attending National College who leaves the College for any reason, including official leaves of absence, must participate in a loan exit interview. Exit interviews are conducted by the Office of Student Services and Financial Aid.

If a student on leave does not return within one year, he/she will be required to submit a new application for admission. The student will need to satisfy admission requirements in effect at the time of reapplication, but may request that the application fee be waived.

Failure to register for any term will be considered a withdrawal and the student will need to submit a new application for admission in order to enroll again. In this case, the application fee will not be waived.

INDEPENDENT STUDY

An independent study is designed as an elective, giving the student an opportunity to do extended studies in a particular field. An independent study should be completed within the term for which the student is registered. If not, the student will receive a grade of Incomplete and must complete the independent study by the next term. Only under exceptional circumstances may required courses be taken as an independent study. See Financial Policies for fee information.

CONDUCT AND PROFESSIONAL DEVELOPMENT

The College expects all students to maintain professional standards of conduct and appearance. These standards are found in the academic and non-academic policies and procedures sections of the Student Handbook and in the material designed to guide student clinicians. The naturopathic oath, state laws and regulations, and AANP documents provide further insight concerning professional standards of conduct. The Student Conduct Code in the Student Handbook specifies procedures for investigating violations of the College policies and the sanctions that may be imposed.

STUDENT RECORDS

The registrar maintains permanent records of each student enrolled at the College. A student's record contains an application file, personal information necessary for the business of the College, grade reports and comments, and records of any official action by the College concerning that student. The business office and the academic office also maintain student files as required by their respective functions.

These records may be examined by the individual student on request with the exception of letters of reference and admissions interview forms.

National College adheres to the intent of the Family Educational Rights and Privacy Act of 1974 (The Buckley Amendment) and to that end will observe the following guidelines:

1. Only specified officers may review student records.
2. Personally identifying information about students will not be shared with third parties on or off campus except as directed in writing by the student, the courts, and governmental authorities.
3. A student who believes information contained in official records is inaccurate, misleading, or a violation of privacy, may request that the records be amended.
4. A student has the right to file complaints with the appropriate agencies concerning alleged failures by the College to comply with applicable laws, rules, and their implementing regulations.

Each student is responsible for furnishing, completely and accurately, all information required by National College of Naturopathic Medicine so that it may perform its proper function as an educational institution. If a student's circumstances change, e.g., name, address, financial situation, etc., he/she is responsible for seeing that the appropriate College official is informed of the changed circumstance.

No part of a student's file will be released to any person outside of the College without written consent of the student. Records for students attending the College under the provisions of the Veteran's Administration will be accessible to certain authorized state and federal personnel without prior consent in accordance with 45CFR, part 99.31 and part 99.35.

For more detail on how the College administrates records, refer to the Student Handbook.

APPEALS PROCESS

Appeals processes are outlined in the College handbooks. Students should consult the Student Handbook for appeals policies and procedures.

FALL 1994 - SUMMER 1997 ACADEMIC CALENDAR

Fall Term, 1994

Sept. 12, 13	Orientation-attendance mandatory for new students
Sept. 14	Fall term late registration
Sept. 15	Fall term classes begin
Sept. 21	Late registration ends
Sept. 28	Last day to add/drop without fee
Oct. 26	Last day to drop with $10 fee
Nov. 24,25	Thanksgiving
Nov. 28-Dec. 2	Study week
Dec. 1,2	Winter term late registration
Dec. 5-9	Finals week
Dec. 12-Jan. 1	Student Holiday Break
Dec. 12-17	Holiday Clinic I
Dec. 19-24	Holiday Clinic II
Dec. 24-Jan. 1	College Closed
Dec. 26-31	Holiday Clinic III

Winter Term, 1995

Jan. 1	New Year's Holiday-College Closed
Jan. 2	Winter term classes begin
Jan. 6	Late registration ends
Jan. 13	Last day to add/drop without fee
Feb. 1	Admissions application deadline
Feb. 10	Last day to drop; $10 fee
Mar. 13-17	Study week
Mar. 16-17	Spring term late registration
Mar. 20-24	Finals week
Mar. 27-31	Spring break
Mar. 27-Apr. 1	Holiday Clinic IV

Spring Term, 1995

Apr. 3	Spring term classes begin
Apr. 7	Late registration ends
Apr. 14	Last day to add/drop without fee
May 12	Last day to drop; $10 fee
May 31	Memorial Day-College closed
June 12-16	Study week
June 15,16	Registration for 1995/96 Academic Year
June 15,16	Summer Clinic registration
June 19-23	Finals week
June 24,25	Graduation weekend
June 26	Graduation (Monday)
June 26-Aug. 5	Summer Clinic I
July 4	Independence Day-College closed
Aug. 7-Sept. 16	Summer Clinic II
Sept. 4	Labor Day-College closed

Fall Term, 1995

Sept. 11,12	Orientation (attendance mandatory for new students)
Sept. 13	Fall term late Registration
Sept. 14	Fall term classes begin
Sept. 20	Late registration ends
Sept. 27	Last day to add/drop without fee
Oct. 25	Last day to drop with $10 fee
Nov. 23,24	Thanksgiving
Nov. 27-Dec. 1	Study week
Nov. 30-Dec. 1	Winter term late registration
Dec. 4-8	Finals week
Dec. 11-Jan. 2	Student Holiday Break
Dec. 11-16	Holiday Clinic I
Dec. 18-23	Holiday Clinic II
Dec. 26-Dec. 30	Holiday Clinic III
Dec. 25-Jan. 1	College Closed

Winter Term, 1996

Jan. 1	New Year's Holiday-College Closed
Jan. 2	Winter term classes begin
Jan. 8	Late registration ends
Jan. 15	Last day to add/drop without fee
Feb. 1	Admissions application deadline
Feb. 12	Last day to drop; $10 fee
Mar. 12-15	Study week
Mar. 14-15	Spring term late registration
Mar. 18-22	Finals week
Mar. 25-Apr. 5	Spring break
Mar. 25-Mar. 30	Holiday Clinic IV

Spring Term, 1996

Apr. 1	Spring term classes begin
Apr. 5	Late registration ends
Apr. 12	Last day to add/drop without fee
May 10	Last day to drop; $10 fee
May 27	Memorial Day Observed-College closed
June 10-14	Study week
June 13-14	Registration for 1996/97 Academic Year
June 13-14	Summer Clinic registration
June 17-21	Finals week
June 22-23	Graduation weekend
June 24	Graduation
June 24-Aug. 3	Summer Clinic I
July 4	Independence Day-College closed
Aug. 5-Sept. 21	Summer Clinic II
Sept. 2	Labor Day-College closed

Fall Term, 1996

Sept. 16,17	Orientation (attendance mandatory for new students)
Sept. 18	Fall term late Registration
Sept. 19	Fall term classes begin
Sept. 25	Late registration ends
Oct. 2	Last day to add/drop without fee
Oct. 30	Last day to drop with $10 fee
Nov. 28,29	Thanksgiving
Dec.2-6	Study week
Dec. 5-6	Winter term late registration
Dec. 9-13	Finals week
Dec. 16-Jan. 2	Student Holiday Break
Dec. 16-21	Holiday Clinic I
Dec. 23-28	Holiday Clinic II
Dec. 30-Jan. 4	Holiday Clinic III
Dec. 24-Jan. 2	College Closed

Winter Term, 1997

Jan. 1	New Year's Holiday-College Closed
Jan. 2	Winter term classes begin
Jan. 8	Late registration ends
Jan. 15	Last day to add/drop without fee
Feb. 1	Admissions application deadline
Feb. 12	Last day to drop; $10 fee
Mar. 13-19	Study week
Mar. 13-14	Spring term late registration
Mar. 20-26	Finals week
Mar. 27-Apr. 6	Spring break
Mar. 27-Apr. 6	Holiday Clinic IV

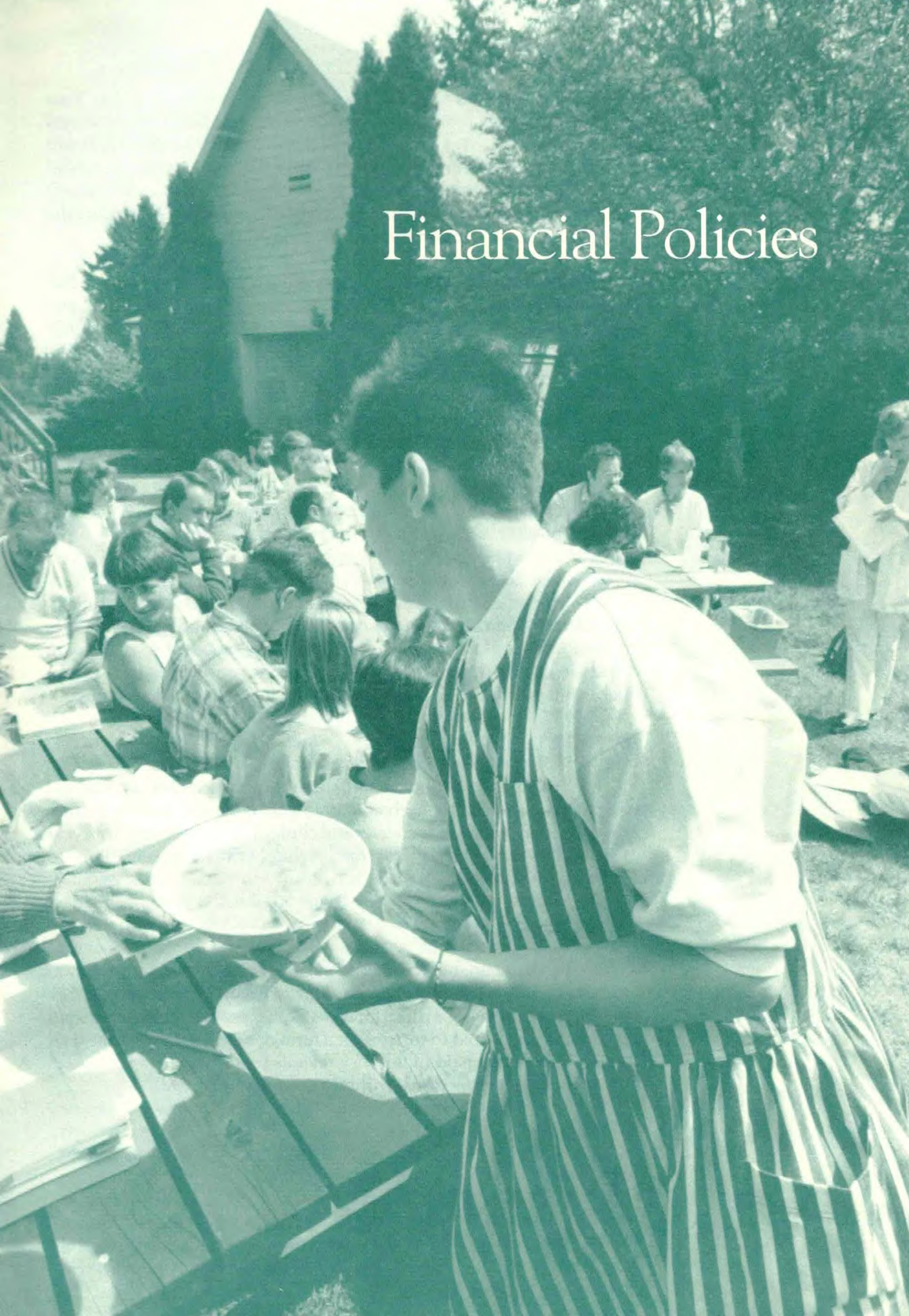
Spring Term, 1997

Apr. 7	Spring term classes begin
Apr. 11	Late registration ends
Apr. 18	Last day to add/drop without fee
May 16	Last day to drop; $10 fee
May 26	Memorial Day Observed-College closed
June 16-20	Study week
June 19-20	Registration for 1997/87 Academic Year
June 20-21	Summer Clinic registration
June 23-27	Finals week
June 28-29	Graduation weekend
June 30	Graduation (Tentative)
June 30-Aug. 9	Summer Clinic I
July 4	Independence Day-College closed
Aug. 11-Sept. 20	Summer Clinic II
Sept. 1	Labor Day-College closed

Fall Term, 1997

Sept. 15, 16	Orientation (attendance mandatory for new students)
Sept. 17	Late Fall term Registration
Sept. 18	Fall term classes begin

Financial Policies



TUITION AND FEES

Full Time - 1994-95	**Per Year**
four-year track	*$11,988 ($ 3,996/term)*
five-year track	*$ 9,750 ($ 3,250/term)*
summer clinic, 1995 (3rd yr. only)	*$936*
less than full-time or over-time status	*$210/credit*

Tuition rates are subject to change. Students should contact the business office for the current rate.

Independent study fee - per credit	*$60*
Application fee	*$60*
Application fee, international student	*$100*
*Tuition deposit (incoming students)**	*$400*
Late registration	*$50*
Deferment of tuition fee	*$20*
Drop or add courses	*$10*
Change of grade fee	*$10*
Make-up examinations	*$35*
Challenge examinations	*$50*
Returned check fee	*$20*
Transcript fee	*$10*

**$200 is non-refundable.*

All fees above are effective September 1, 1994.

Tuition and fees for each term are payable in full at the time of registration. Credit for courses taken will not be given until tuition and fees are paid in full. No transcripts or diplomas will be issued to students in default. In no case shall a student be permitted to register for a term or take final exams until all tuition and fees are paid in full for previous terms.

OTHER EXPENSES

Students are required to purchase textbooks and other personal equipment as needed for each course as well as basic diagnostic equipment for use in second year courses and clinic. These costs vary from year to year. Cost estimates for the current school year are in your "How to Apply for Financial Aid" packet.

DEFERMENT

Students unable to pay the entire amount due at registration must see the chief financial officer to make financial arrangements. A promissory note may be written for up to $1,500 per term. In no case shall a student be permitted to register for a term or take final exams until all tuition and fees are paid in full for previous terms.

A $20 deferment fee will be assessed.

CHANGE OF TRACK

Any change of track must have prior approval of the instructional affairs officer and the financial aid administrator. Fee adjustments for program changes will be made only through week four of the term. Charges and refunds will be based on the fee structure of the new track. For example, students changing from a four year track to a five year track will pay the five year track tuition beginning with the first full term in their new track. Therefore, a student who changes from the four year track to the five year track during week three of a quarter will pay $3,250 for that quarter; a student who changes from the four year track to the five year track during week five of a quarter will pay $3,996 for that quarter.

A student may not change from the five year track to the four year track after the completion of the third year at National College.

FULL-TIME STATUS

A full-time student is one who is enrolled for at least 13.5 credits per quarter and no more than 12 credits in any academic year more than the total credits allocated to the student's core curriculum in the track for which the student is approved. Core curriculum is defined as required course work excluding electives. Refer to the curriculum for your year, which is indicated in the Program of Study of this catalog or your personal worksheet, which is retained by the registrar.

OVER-TIME STATUS

An over-time student is one who is enrolled for more than the maximum credits designated for a full-time student. Over-time student status requires the approval of the instructional affairs officer. Fees for over-time status are at the per credit rate listed in "Tuition and Fees" above.

WITHDRAWAL FROM SCHOOL

Students who withdraw from the program prior to week ten of any term may be eligible for a "pro-rata" refund. If a student receiving financial aid is eligible for a refund, that refund is returned to the Federal financial aid program. If the amount of the refund exceeds the total amount of aid, the excess will be returned to the student. Federal regulations require that any student who has received a loan while attending National College who leaves the College for any reason, including official leaves of absence, must participate in a loan exit interview. Exit interviews are conducted by the Office of Student Services and Financial Aid.

ADDING/DROPPING

Permission of the instructional affairs officer and the instructor is required to add classes during the second through fourth weeks of a quarter, and there is a $10 fee.

For students receiving financial assistance from the Veterans' Administration, the amount of any refund of tuition and fees will be proportional to the time remaining in the term. A registration fee of $10 is deducted from this refund.

CHALLENGE EXAMS

There is a $50 fee for each challenge exam. Challenge exams require the prior approval of the instructional affairs officer.

FINANCIAL AID

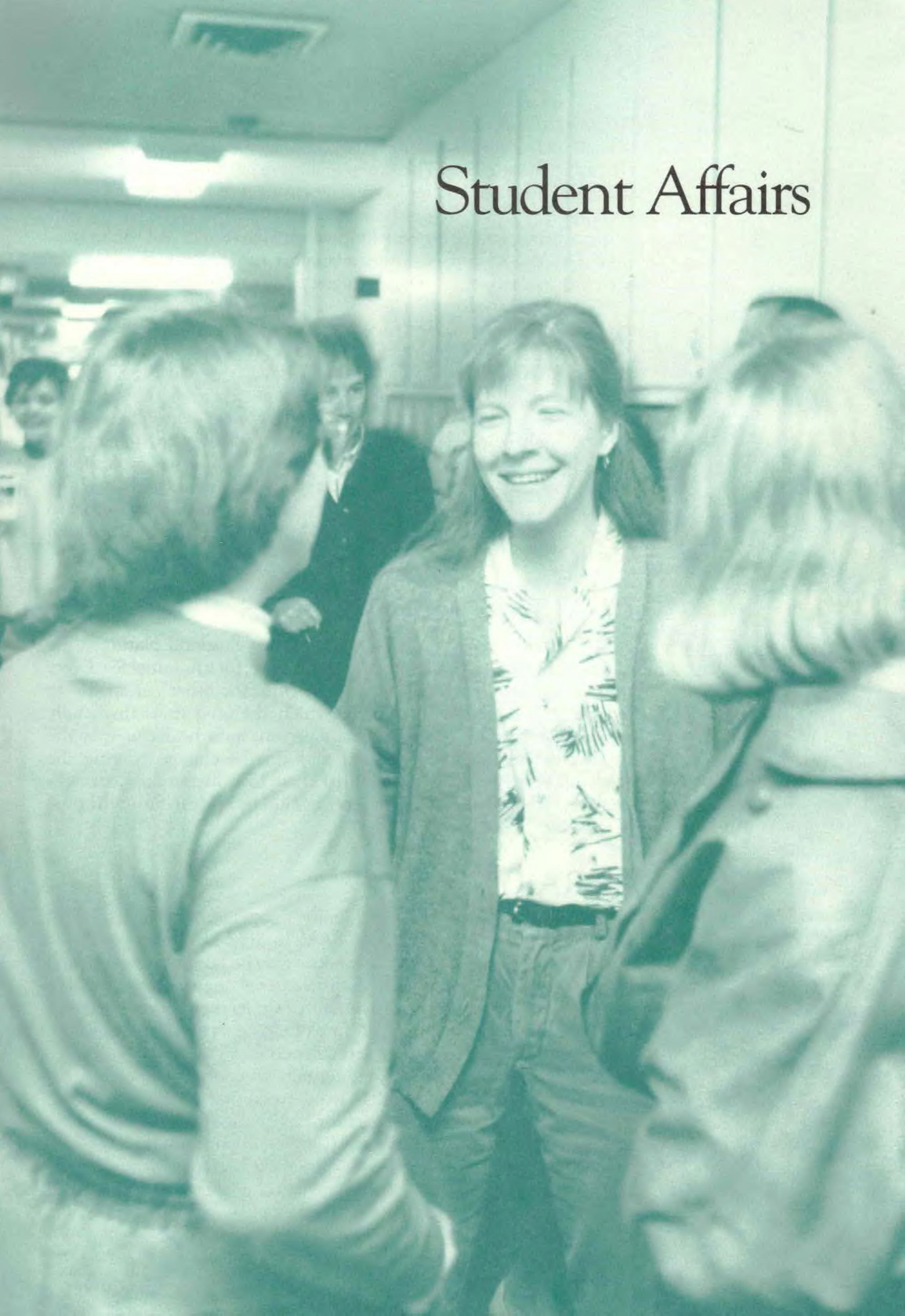
Financial aid programs assist students in meeting educational costs by attempting to fill the gap between the student's costs and the student's resources. Federal Student Aid is available for this purpose to eligible students based on qualifications and need. Financial aid recipients are required to maintain satisfactory academic progress in order to remain eligible to receive federal funds. (See "Grading and Promotion" under Academic Policies.) Financial Aid applications are available upon request.

A complete explanation of how financial aid is administered is outlined in the "Financial Aid Consumer Information" handout, available from the Office of Student Services and Financial Aid. National College participates in the following aid programs:

	Per Year
Stafford Loans (formerly GSL)	*up to $8,500*
Unsubsidized Loans for Students (USL)	*up to $10,000*
Stafford College Work Study	*award varies*

Some students of the College may also be eligible for Canadian student loans and Veterans' Administration benefits. Financial Aid recipients are required to maintain satisfactory academic progress in order to remain eligible to receive federal funds. (See "Grading and Promotion" under Academic Policies.)

Student Affairs



STUDENT ASSOCIATION

All students enrolled at the College are voting members of the Associated Students of National College, the formal organization of the student body. The Association is governed by the Core Group, which is elected by the students. This group includes a president, vice president, secretary, treasurer, and representatives from each class, elected by the students. The Core Group administers the student activity fee and acts as the collective voice for student interests with faculty and administration. The Association sponsors a number of educational and social activities as determined by the student body each year.

PERSONAL COUNSELING

Academic counseling is administered through the Office of Academic Affairs and is provided by the instructional affairs officer, the associate dean of academic affairs, and faculty advisors. The student services and financial aid administrator is available to students for financial counseling and as a source of referral for other professional counseling services. Each incoming student is matched with a faculty advisor/mentor. Students, faculty, and administration work together to foster an atmosphere conducive to academic success and personal growth.

HEALTH CARE SERVICES

Students may receive health care at Portland Naturopathic Clinic, the teaching clinic at National College, for a nominal fee. Every student may also declare one adult "significant other" or spouse to receive this benefit. Children for which the student is financially responsible may also be added. These persons must be declared by the student before the first visit and may not be changed during the academic year. Students are also entitled to a 15% discount on pharmacy items and lab work. Payment for services must be made in full at the time of the visit.

LIBRARY

The National College Library is open from 8AM to 8PM Monday through Thursday, from 8AM to 5PM on Friday, and from 10AM to 2PM on Saturday. Most books may be borrowed for a period of two weeks. Tapes and journals circulate for one week, and reserve materials may be checked out overnight. A reference collection is also available for use in the library. A fine of ten cents a day is charged on overdue items (fifty cents for reserve materials). Two MacIntosh computers, available for student use, contain programs for homeopathy, nutrition and herbalism as well as word-processing.

National College students also have borrowing privileges at the Oregon Health Sciences University (OHSU) library and at the Western States Chiropractic College (WSCC) library, both in Portland. Computerized literature searches are available to students through National College library as well as through OHSU and WSCC libraries.

BOOKSTORE

The College bookstore carries all texts and equipment for classes along with a variety of related books, supplies, clothing, stationary, postage stamps, and sundries. Students generally order and pay for text books before the beginning of each new term. This helps accommodate the timely arrival of books by the beginning of the term. The bookstore offers demonstrations of medical equipment and access to rare books through special order. Students should direct all inquiries to the bookstore coordinator. Hours vary in order to complement the schedule of classes each term and are posted on the bookstore door.

HOUSING

National College does not provide on-campus housing for students, but the College is set in a residential area with ample rentals available at a reasonable cost. The student services and financial aid administrator maintains a bulletin board for shared housing networking.

EMPLOYMENT

Due to the demands of the program, students are generally discouraged from working more than part-time. A limited number of jobs for students are available on campus. All on campus employment is coordinated by the Office of Student Services and Financial Aid.

FOOD SERVICE

The College has contracted with an independent caterer who serves healthy breakfasts, lunches and snacks each day in the student lounge.

IDENTIFICATION CARDS

All students receive a photo identification card at the beginning of the fall quarter. This card will, among other purposes, allow students to check out library books.

LOCKERS

Lockers are available to all students through the office of academic affairs. Locks found on unregistered lockers will be cut off and the contents removed.

CAREER PLACEMENT/BOARD EXAMS

The College communicates with all state and provincial licensing boards and NPLEX (Naturopathic Physician Licensing Examination). Board exam dates are posted on a bulletin board, and information on licensing laws is maintained in the library. Various faculty usually offer Board review classes in the spring and summer of each year.

Information about available clinic residencies is posted on a career information bulletin board. Opportunities for residencies and the purchase or sharing of practices in all parts of the U.S. are publicized on the career information board as well.

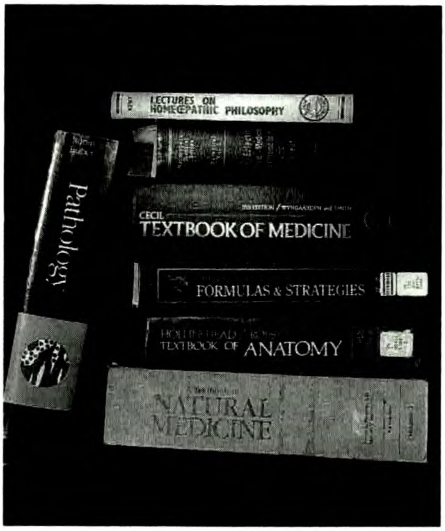
ANIMALS ON CAMPUS

Animals, except for guide animals used for the sight or hearing impaired, are prohibited within any College buildings. In addition, animals on College property must be in compliance with all local ordinances, such as leash laws. The College reserves the right to call animal control authorities in the enforcement of this policy.

SUBSTANCE ABUSE POLICY & PROGRAM

A copy of our Substance Abuse Policy & Program in its entirety is contained in our Student and Employee Handbooks. National College is in compliance with U.S. Public Law 101-226, The Drug-Free Schools and Communities Act Amendment of 1989, and is legally required and morally committed to the prevention of illicit drug use and the abuse of alcohol by both students and employees. College policy prohibits unlawful possession, use or distribution of illicit drugs by students or employees on or off College premises. Employees and students are prohibited from consuming alcohol on campus or at college-sponsored events. Employees and students are also prohibited from being on the College premises while under the influence of alcohol.

Violation by students of College policies are handled according to the student conduct code as articulated in the Student Handbook.


LECTURES ON HOMŒOPATHIC PHILOSOPHY
Pathology
CECIL TEXTBOOK OF MEDICINE
FORMULAS & STRATEGIES
HOLLINSHEAD'S TEXTBOOK OF ANATOMY
NATURAL MEDICINE

The bookstore carries a combination of conventional and naturopathic medical texts. It has the largest selection of alternative and complimentary medical books in the U.S.

Roster

BOARD OF TRUSTEES

Jack Daugherty, D.C., N.D., Vice Chair
Bruce Dickson, N.D., Chair
Timothy J. Duszynski, D.A.
Steve Gardner, D.C., N.D
David Macallan, N.D., Secretary
Kerry McGuinness, N.D.
David R. Malcolm, Ph.D.
Richard Peters, M.D.
Corey Resnick, N.D.
David Shapiro, J.D., M.B.A.
John D. Bastyr, N.D., Presidents Emeritus
James V. Miller, Ph.D., L.L.D., Presidents Emeritus

GENERAL ADMINISTRATION

PRESIDENT'S OFFICE

President	*Timothy J. Duszynski, D.A.*
Executive Assistant to the President	*Laureen Fleming*
Assistant for Administration	*Andrea Smith*, M.A.
Maintenance Coordinator	*Larry Courtney*

OFFICE OF ACADEMIC AFFAIRS

Instructional Affairs Officer	*Helen Gabriel*, M.Ed.
Associate Academic Dean	G.S.S. *Khalsa, N.D.*
Chief Medical Officer/ Director of Research	*Rita Bettenburg, N.D.*
Associate Director of Research	*Illyas Ahmad, Ph.D.*
Coordinator of Clinical Education	*Mark Cooper, N.D.*
Registrar	*Kassandre Lyon*, M.S.
College Receptionist	*Madie Gallup*, B.A.
Librarian	*Marian Frear*, M.L.S.
Librarian	*Friedhelm Kirchfeld*, M.A.
Admissions Coordinator	*Robin Burke*

PORTLAND NATUROPATHIC CLINIC

Clinic Billing	*Monica Mynatt*
Clinic Insurance	*Mona Thompson*
Clinic Reception Coordinator	*Charmaine Price*
Clinic Receptionists	*Mimi Bruce*
	Shelly Seger, B.S.
	Kacea Logan - Harris, B.A.
Clinic Records Coordinator	*Jewell Young*
Laboratory Coordinator	*Judy Fay*, B.S.
Medicinary Coordinator	*Chris Meletis, N.D.*
Medicinary Staff	*Sharleen Andrews-Miller*
	Frances Fellows
	Sarah Gifford, N.D.
Administrative Assistant for Clinical Education	*Trisha Myers*, M.A.

BUSINESS OFFICE

Chief Financial Officer	*Linda Wheeler*, B.A., C.P.A.
Accounting Assistants	*Naomi Smith*, B.A.
	Diana Sanchez
Administrative Assistant	*Sharlene Winslow*
Bookstore Coordinator	*Kathy Duerr*

STUDENT SERVICES & FINANCIAL AID

Director	*Annelee Lander*, B.A.

DEVELOPMENT DEPARTMENT

Director	*Michael McKelvey*, B.S.

Clinical relevance and the integration of medical sciences with naturopathic philosophy is at the heart of the N.D. curriculum at National College. One example of this is the Basic Science Symposium, where students integrate concepts learned in anatomy, physiology, and biochemistry courses with actual clinical cases.

FACULTY AND ADMINISTRATION

Abel, Larry: Assistant Professor (minor surgery), B.A., University of California, Berkeley, 1976; N.D., National College of Naturopathic Medicine, 1986.

Achterman, Christopher A.: Adjunct Faculty, B.S., Oregon State University, 1970; M.D., Washington University School of Medicine, 1972.

Ackerly, Sarah: Chief Resident, B.A., University of Colorado, Boulder, 1985; N.D., National College of Naturopathic Medicine, 1993.

Albin, Stephen J.: Associate Professor (homeopathy), B.A., University of British Columbia, 1965; B.S., Kansas Newman College, Wichita, 1975; N.D., National College of Naturopathic Medicine, 1977.

Ahmad, Illyas: Associate Director of Research, Ph.D., University of St. Andrews (Great Britain), 1968; M.Sc., Punjab University (Pakistan), 1962.

Barrett, Richard: Assistant Professor (diagnostic sciences, naturopathic medicine), N.D., National College of Naturopathic Medicine, 1986.

Becker, Maureen: Assistant Professor (obstetrics), B.S., Kansas Newman College,1979; N.D., National College of Naturopathic Medicine, 1981

Bettenburg, Rita: Chief Medical Officer & Director of Research, Associate Professor (diagnostic sciences), B.S., University of Minnesota, 1974; N.D., National College of Naturopathic Medicine, 1989.

Briskey, Sherry: Resident, N.D., National College of Naturopathic Medicine, 1994.

Brons, Jan: Assistant Professor (anatomy), B.A., University of California, Santa Barbara, 1970; Ph.D., University of California, Los Angeles, 1978.

Burch, Elizabeth B.: Assistant Professor (obstetrics), N.D., National College of Naturopathic Medicine, 1986.

Canvasser, Bruce L.: Adjunct Faculty, B.S., Wayne State University, 1969; B.S., Kansas Newman College, 1974; N.D., National College of Naturopathic Medicine, 1977.

Carter, Dan: Instructor (diagnostic sciences), B.S., Utah State University, 1969; B.S., University of Alaska, 1983; N.D., National College of Naturopathic Medicine, 1994.

Colley, Fredrick C.: Professor (microbiology), B.A., University of California, Riverside, 1959; M.A., San Diego State University, 1959; M.P.H., University of California, Berkeley, 1973; Ph.D., Arizona State University,1965.

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There is a strong sense of community at National College. Students, faculty, and administration are bound together by a common sense of mission.

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